Operating instructions for dishwashers

To avoid the risk of accidents or damage to the appliance, it is **essential** to read these instructions as well as the installation plan before it is installed and used for the first time.

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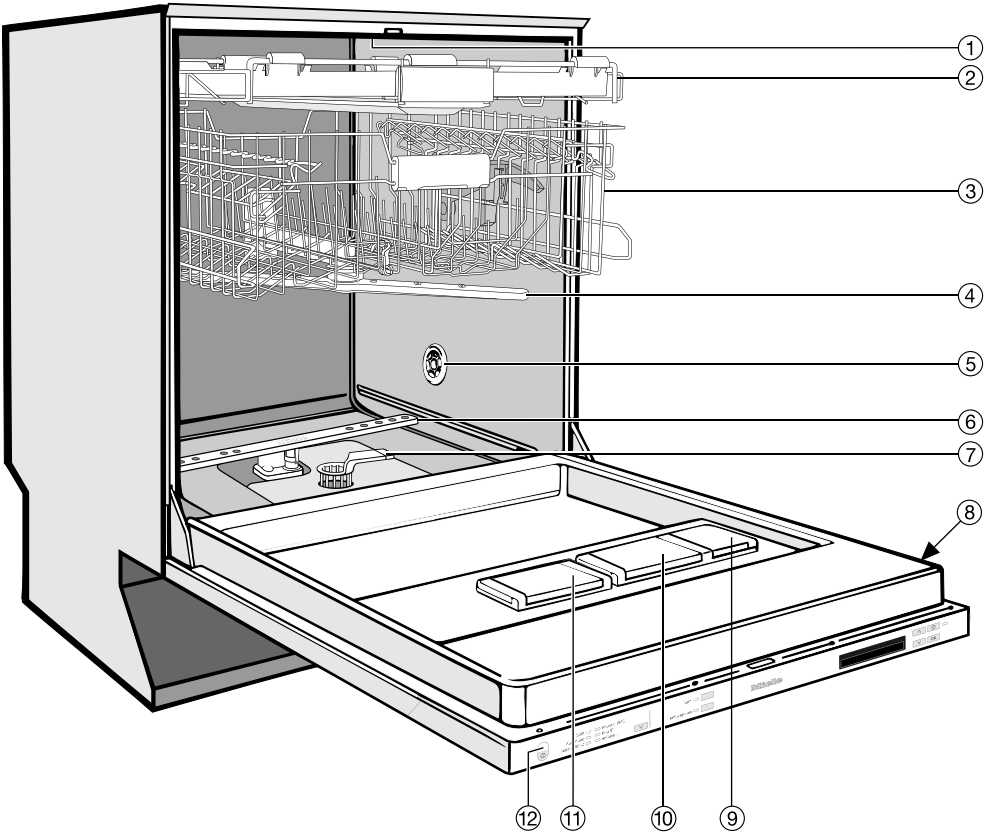
Appliance overview



① Upper spray arm (not visible)

② Cutlery tray (depending on model)

③ Upper basket

④ Middle spray arm

⑤ Air inlet for drying (depending on model)

⑥ Lower spray arm

⑦ Filter combination

⑧ Data plate

⑨ Rinse aid reservoir

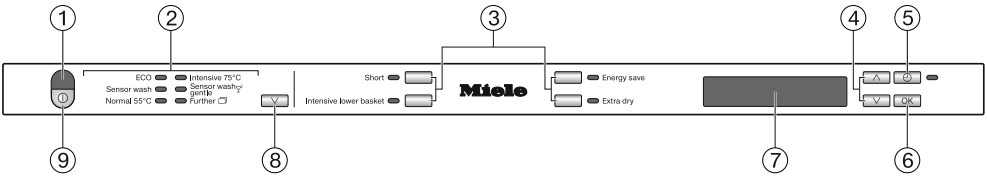
⑩ Dual compartment detergent dispenser

⑪ Salt reservoir

⑫ In-operation indicator light

Guide to the appliance

Control panel



① In-operation indicator light

② Programmes

③ Option buttons with indicator lights

④ Arrow buttons ∨∧

⑤ ◴ button (FlexiTimer) with indicator light

⑥ *OK* button

⑦ Display

⑧ Programme selector button ∨

⑨ On/Off button ⏻

This instruction book applies to several different dishwasher models.
The specific dishwasher models are referred to as follows:
Standard = 80.5 cm high dishwashers (integrated)
and 84.5 cm high dishwashers (freestanding)
XXL = 84.5 cm high dishwashers (integrated).

Display

General

The display is used to select or set the following:

– the programme

– the FlexiTimer (Delay start)

– the Settings menu

The display can show the following:

– the stage the programme is at

– the estimated time left for the programme to run

– the energy and water consumption (EcoFeedback)

– any relevant fault messages and information

To save energy, the dishwasher switches off after a few minutes if you do not press any buttons during this time.
To switch the dishwasher back on again, press the ⏻ button.

Settings menu

The Settings menu is used to alter the dishwasher's electronics to suit different requirements. You access the Settings menu by pressing a specific button combination (see "Settings menu").

The arrows in the display indicate further options. You can use the ∨∧ arrow buttons next to the display, as appropriate, to select these further options.

The *OK* button is used to confirm a message or setting and also to move to the next menu or another level.

The option which is selected will have a tick ✓ next to it.

To exit a sub-menu, use the ∨∧ arrow buttons to select the Back ⮌ option in the display and confirm your choice with *OK*.
If you do not press any of the buttons for several seconds, the display with return to the previous level. You may need to enter your settings again.

Warning and Safety instructions

This dishwasher complies with current safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.

To avoid the risk of accidents and damage to the dishwasher, please read the installation plan and the operating instructions carefully before it is installed and used for the first time. They contain important information on its installation, safety, use and maintenance.

Keep the installation plan and the operating instructions in a safe place and pass them on to any future owner.

Miele cannot be held liable for damage caused by non-compliance with this information.

Correct application

▶ This dishwasher is intended for use in domestic households and similar working and residential environments.

▶ The dishwasher is not intended for outdoor use.

▶ It must only be used as a domestic appliance as specified in these operating instructions, for cleaning domestic crockery and cutlery. Any other usage is not supported by the manufacturer and could be dangerous.

▶ The appliance can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they are supervised whilst using it, or have been shown how to use it in a safe way and recognise and understand the consequences of incorrect operation.

Safety with children

▶ Children under 8 years of age must be kept away from the appliance unless they are constantly supervised.

▶ Children 8 years and older may only use the dishwasher unsupervised if they have been shown how to use it safely and recognise and understand the consequences of incorrect operation.

▶ Children must not be allowed to clean or maintain the appliance unsupervised.

▶ Please supervise children in the vicinity of the dishwasher and do not let them play with it. There is a danger that children playing might shut themselves in the dishwasher.

▶ If the automatic door opening mechanism (depending on model) is active keep young children away from the area in which the door opens. Danger of injury in the unlikely event of a fault with the opening mechanism.

▶ Danger of suffocation. Packaging, e.g. plastic wrappings, must be kept out of the reach of babies and children. Whilst playing, children could become entangled in packaging or pull it over their head and suffocate.

▶ Keep children away from detergents. Dishwasher detergents can cause burning in the mouth, nose and throat if swallowed, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. Seek medical attention immediately if your child has swallowed or inhaled detergent.

Technical safety

▶ Unauthorised installation, maintenance and repairs can cause considerable danger for the user. Installation, maintenance and repairs must only be carried out by a Miele authorised technician.

▶ A damaged dishwasher is dangerous. Check it for any recognisable damage. Never install or attempt to use a damaged appliance.

▶ The electrical safety of this appliance can only be guaranteed when correctly earthed. It is essential that this standard safety requirement is met. If in any doubt, please have the electrical installation tested by a qualified electrician.
Miele cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ Reliable and safe operation of this dishwasher can only be assured if it has been connected to the mains electricity supply.

▶ The dishwasher must only be plugged into the electricity supply via a suitable switched socket using a suitable fused plug (it must not be hard-wired). The electrical socket must be easily accessible after the dishwasher is installed so that it can be disconnected from the electricity supply at any time.

▶ There must be no electrical sockets behind the dishwasher. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug.

▶ The dishwasher must not be installed under a hob. The high radiant temperatures which are sometimes generated by a hob could damage the dishwasher. For the same reason it should not be installed next to open fires or other appliances which give off heat, such as heaters etc.

▶ To avoid the risk of damage to the dishwasher, make sure that the connection data on the data plate (fuse rating, voltage and frequency) match the mains electricity supply before connecting the dishwasher to the mains. Consult a qualified electrician if in doubt.

▶ Do not connect the dishwasher to the mains supply until it has been fully installed and any adjustment has been made to the door springs.

▶ The dishwasher may only be operated if the door opening mechanism is working correctly. Otherwise there could be a risk of danger whilst the automatic door opening mechanism (depending on model) is active.
To check that the door opening mechanism is working correctly:

– the door springs must be adjusted equally on both sides. They are correctly adjusted when the door remains stationary when left half open (approx. 45° opening angle). It is also important that the door cannot fall open.
– the door locking pins automatically retract when the door opens at the end of the drying phase.

▶ Do not connect the appliance to the mains electricity supply by a multi-socket adapter or an extension lead. These do not guarantee the required safety of the appliance (fire hazard).

▶ The appliance must not be used in a non-stationary location (e.g. on a ship).

▶ Do not install the dishwasher in a room where there is a risk of frost. Frozen hoses may burst or split. The reliability of the electronic control unit may be impaired at temperatures below freezing point.

▶ To avoid any damage to the appliance, the dishwasher must only be operated when it is connected to a fully vented plumbing system.

▶ The plastic housing of the water connection contains an electrical component. It must not be dipped in water.

▶ There are electrical wires in the water inlet hose. Do not cut the water inlet hose, even if it is too long.

▶ The integrated Waterproof system offers protection from water damage, provided the following conditions are met:

– The dishwasher is correctly installed and plumbed in.
– The dishwasher is properly maintained and parts are replaced where it can be seen that this is necessary.
– the stopcock is turned off during longer absences from the home (e.g. whilst on holiday).

The Waterproof system will work even if the appliance is switched off. However, the appliance must remain connected to the electricity supply.

▶ The water pressure (flow pressure at the take-off point) must be between 30 and 1000 kPa (0.3 and 10 bar).

▶ If the dishwasher gets damaged, switch it off at the mains immediately and call your Miele Dealer or the Miele Service Department.

▶ While the appliance is under guarantee, repairs should only be undertaken by a Miele authorised service technician. Otherwise the guarantee is invalidated.

▶ Miele can only guarantee the safety of the appliance when genuine original Miele replacement parts are used. Faulty components must only be replaced by Miele spare parts.

▶ During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply (switch it off and withdraw the plug from the socket).

▶ If the connection cable is damaged it must be replaced with a special cable of the same type (available from Miele) by a Miele authorised service technician only.

Correct installation

▶ The dishwasher must be installed and connected in compliance with the installation diagram supplied.

▶ Take care, both before and during installation of the dishwasher, not to cut yourself on the metal parts. Danger of injury. Wear protective gloves.

▶ The dishwasher must be correctly aligned to ensure problem-free operation.

▶ In order to ensure stability, built-under and integrated dishwashers must only be installed under a continuous worktop which is secured to adjacent cabinetry.

▶ If you want to convert your freestanding dishwasher to a built-under ("U") model, you will need to order the appropriate conversion kit. If you remove the existing plinth, you must replace it with a U-model plinth. This is necessary to avoid the risk of injury caused by protruding metal parts.

▶ The door springs must be adjusted equally on both sides. They are correctly adjusted when the door remains stationary when left half open (approx. 45° opening angle). It is also important that the door cannot fall open.
The appliance may only be used with correctly adjusted door springs.

Correct use

▶ Do not use solvents in the dishwasher. Danger of explosion.

▶ Do not inhale or ingest dishwasher detergent. Dishwasher detergents can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Seek medical attention immediately if detergent has been swallowed or inhaled.

▶ You could injure yourself on the open dishwasher door or trip over it. Avoid leaving the door open unnecessarily.

▶ Do not sit or lean on the opened door. This could cause the dishwasher to tip and be damaged, and you could get injured.

▶ Dishes can be very hot at the end of the programme. Allow them to cool until they are comfortable enough to handle before unloading.

▶ Only use detergent and rinse aid formulated for domestic dishwashers. Do not use washing-up liquid.

▶ Do not use commercial or industrial detergents as these may cause damage, and there is a risk of a severe explosive chemical reaction (such as an explosive oxyhydrogen gas reaction).

▶ Do not fill the rinse aid reservoir with powder or liquid detergent. This will cause serious damage to the reservoir.

▶ Inadvertently filling the salt reservoir with powder or liquid dishwasher detergent will damage the water softener. Make sure you have picked up the correct packet of dishwasher salt before filling the salt reservoir!

▶ Only use special coarse grained dishwasher salt for reactivation. Do not use other salts such as cooking salt, agricultural grade or gritting salt. These may contain insoluble additives which can impair the functioning of the water softener.

▶ In an appliance with a cutlery basket (depending on model), cutlery is cleaned and dried more efficiently if placed in the basket with the handles downwards. However, to avoid the risk of injury, place knives and forks etc. with the handles upwards.

▶ Plastic items which cannot withstand being washed in hot water, such as disposable plastic containers or plastic cutlery should not be cleaned in the dishwasher. The high temperatures in the dishwasher may cause them to melt or lose shape.

▶ If you use the "FlexiTimer/Delay start" option (depending on model), make sure that the dispenser is dry before adding detergent. Wipe dry if necessary. Detergent will clog if poured into a damp dispenser and may not be thoroughly dispersed.

▶ Please observe the information given in "Technical data" regarding the capacity of the dishwasher.

Accessories

▶ Only use genuine original Miele accessories and spare parts with this appliance. Using accessories or spare parts from other manufacturers will invalidate the guarantee, and Miele cannot accept liability.

Disposal of your old dishwasher

▶ Make the door lock inoperative so that children cannot accidentally shut themselves in. Make appropriate arrangements for the disposal of the appliance.

Disposal of the packing material

The packaging is designed to protect the appliance from damage during transportation. The packaging materials used are selected from materials which are environmentally friendly for disposal and should be recycled.

The packaging consists of the following materials:

Outer packaging:

– Corrugated cardboard made from up to 100% recyclable material:
or: Polyethylene (PE) shrink wrap

– Polypropylene (PP) strapping

Inner packaging:

– Chlorine and fluorine free expanded polystyrene (EPS)

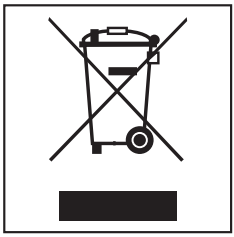
– Base, lid frame and support battens made from untreated natural wood from renewable forests

– Polyethylene (PE) protective wrap

Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites.

Disposing of your old appliance

Electrical and electronic appliances often contain valuable materials. They also contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance. Please do not therefore dispose of it with your household waste.



Please dispose of it at your local community waste collection / recycling centre or contact your dealer for advice.

Ensure that it presents no danger to children while being stored for disposal.

To enable sorting by type of plastic for recycling, all plastic parts of the appliance are labelled with international standard symbols.

Caring for the environment

Energy saving washing

This dishwasher is exceptionally economical in its use of water and electricity.
You can make the most of your appliance by following these tips:

– For most economical dishwashing, make full use of the baskets without overloading the dishwasher.

– Choose the programme to suit the type of crockery being washed and the degree of soiling.

– Select the ECO programme (depending on model) for energy-saving dishwashing. This programme is the most efficient in terms of its combined energy and water consumption at cleaning normally soiled crockery.

– If your dishwasher is connected to a hot water supply select the SolarSave programme for washing a lightly to normally soiled load. Because the water is not heated in this programme, crockery may still be slightly damper at the end of this programme than it would be with other programmes.

– Follow the detergent manufacturer's recommendations on detergent dosage.

– When using powder or liquid detergent you can use $^1/_3$ less detergent if baskets are only half full.

EcoFeedback consumption indicator

The Consumption function is used for calling up information about the energy and water consumption of your dishwasher (see "Settings menu, Consumption").

Three different types of information can be displayed:

– an estimate of the consumption before the programme begins

– the actual consumption at the end of the programme

– the total consumption of the dishwasher

1. Consumption estimate:

After a programme has been selected, first the name of the programme and after a few seconds the estimated energy and water consumption will appear in the display.

The estimated consumption levels will be displayed as a bar chart. The more bars (❚❚❚) in the display, the more energy or water will be used.

The values are influenced by the programme selected and any programme options selected.

The display will change automatically to show the time remaining.

The consumption indicator is switched on as standard. However, you can also switch the indicator off (see "Settings menu, Consumption").

2. Actual consumption

At the end of the programme you can call up the actual amount of energy and water used by the programme which has just been run.

- Open the door at the end of the programme.
- Press *OK* when the Consumption (OK) message appears in the display.

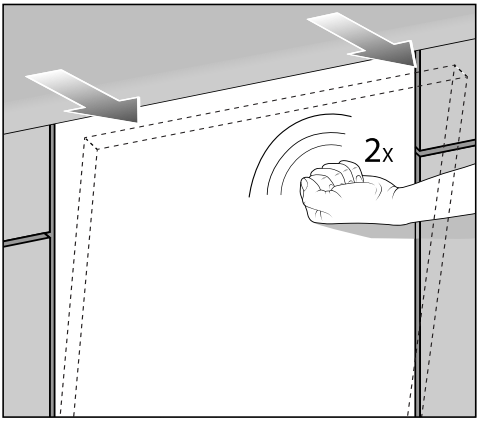
Switching the dishwasher off at the end of the programme will delete the actual consumption values for the programme which has just been run.

3. "Consumption" setting

The Consumption setting gives a total of the energy and water which has been used in all previous dishwasher programmes (see "Settings menu, Consumption").

Opening the door

This dishwasher has a motorised door opener which is activated by knocking on the door front ("Knock2open function").



- Knock twice in quick succession on the top third of the door front

The door will open a little.

- There are two dark grips inside the door at the top.
  Take hold of them and pull to release the door lock.

The door locking pin then retracts.

If the door is opened during operation all functions are automatically interrupted.

The number of knocks required for opening the door can be changed if wished (see "Settings, Knock2open").

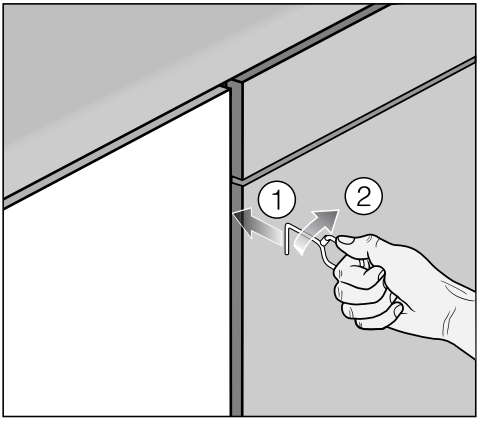
⚠ Water in the dishwasher may be hot. Danger of scalding.
Only open the door during operation if absolutely necessary and exercise extreme caution when doing so.

⚠ Keep the area around the door free of obstructions.

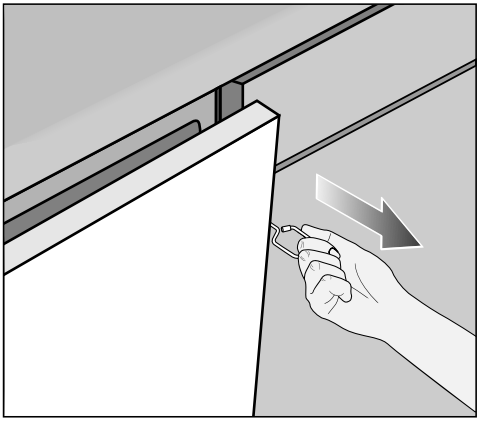
At the end of programmes with a drying phase (see "Programme chart"), the door will open automatically a little in order to help the drying process.
This function can be deactivated, if preferred (see "Settings menu, AutoOpen").

Emergency door opener

If the door will not open when knocked or if there is a power cut the door can be opened manually with the Knock2open mechanism supplied with the dishwasher.



- Push the device into the gap between the dishwasher front and the neighbouring unit door about 15 cm below the worktop.
- Turn the device clockwise ②, until it grips behind the dishwasher front.



- Then use it to pull the door open.

Closing the door

- Push the baskets right in.
- Raise the door upwards until the catch engages.

The door will then close automatically.

⚠ Danger of injury.
Do not put your hand inside the door as it is closing.

Basic settings

- Open the door.
- Switch the dishwasher on with the ⏻ button.

The welcome screen will appear when the dishwasher is switched on for the first time.

Language

The display will then change automatically to the screen for setting the language.

- Use the ∨∧ arrow buttons to select the language you want and also the country, if appropriate, and confirm your selection with *OK*.

See "Display / Settings menu" for more information about the display and controls.

A tick ✓ will appear next to the language that has been set.

Time

The display will then change to the screen for setting the time.

The current time of day must be set before you can use the "FlexiTimer" programme option.

- Use the ∨∧ arrow buttons to set the hour and confirm with *OK*.
- Then set the minutes and confirm with *OK*.

Keeping the ∨∧ arrow buttons pressed in, will increase and decrease the time automatically.

Water hardness

The display will change to the screen for setting the water hardness.

– The dishwasher must be programmed to the correct water hardness for your area.

– Your local water authority will be able to advise you of the water hardness level in your area.

– Where the water hardness fluctuates e.g. between 1.8 and 2.7 mmol/l (10 - 15 °d - German scale) always programme the dishwasher to the higher value (2.7 mmol/l or 15 °d in this example).

In the event of a fault, it will help the service technician if you know the hardness of your local water supply.

Enter the water hardness below:

_____mmol/l or °d

The dishwasher is programmed at the factory for a water hardness level of 2.7 mmol/l (15 °d - German scale).

■ Use the ∨∧ arrow buttons to select the hardness you want and confirm with *OK*.

See "Settings menu, Water hardness" for more information.

The message Set up finished will then appear in the display.

After confirming this with *OK*, the prompts Add salt and Add rinse aid may appear.

■ Add salt and rinse aid if necessary (see "Before using for the first time - "Dishwasher salt" and "Rinse aid").

■ Confirm the messages with *OK*.

The programme selected will appear briefly in the display and the appropriate indicator light will come on.
Then, if applicable, the estimated energy and water consumption for the programme selected will appear for a few seconds.
Finally, the display will show the estimated programme duration for the programme selected.

These basic settings will be saved in memory after the dishwasher has been through one complete programme.

Before using the appliance for the first time, you require:

– approx. 1 kg dishwasher salt,

– domestic dishwasher detergent,

– rinse aid formulated for domestic dishwashers.

Every dishwasher is tested at the factory. There will be residual water in the appliance from this test. It is not an indication that it has been used previously.

Dishwasher salt

In order to achieve good cleaning results, the dishwasher needs to operate with soft water. Hard water results in a build-up of calcium deposits on crockery and in the dishwasher.
Mains water with a hardness level higher than 0.7 mmol/l (4 °d - German scale) needs to be softened. This takes place automatically in the integrated water softener. The water softener in the dishwasher is suitable for a water hardness level of up to 12.6 mmol/l (70 °d - German scale).

The water softener requires dishwasher salt.
Depending on the water hardness level (< 3.8 mmol/l, or 21 °d - German scale), dishwasher salt is not required if combination tablets are being used (see "Operation, Detergent").

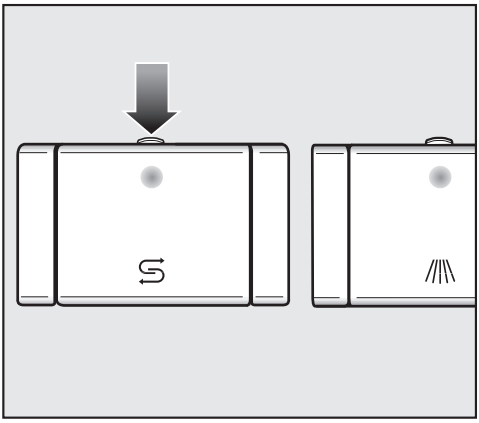
If the water in your area is very soft and constantly **lower than 0.9 mmol/l (5 °d - German scale)** you do **not** have to add dishwasher salt. The prompt to add salt will be switched off automatically.

⚠ Dishwasher detergent will damage the water softener.
Do not fill the salt reservoir with powder or liquid detergent.

⚠ Only use special coarse grained dishwasher salt for reactivation,
as other salts may contain insoluble additives which can impair the functioning of the water softener.

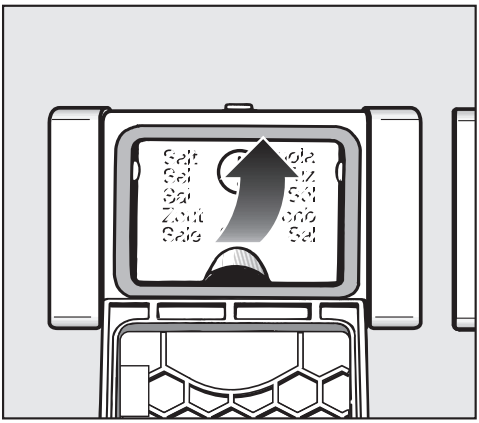
Adding salt

- When filling the salt reservoir **only open the door halfway** to ensure that all the salt gets into the reservoir.



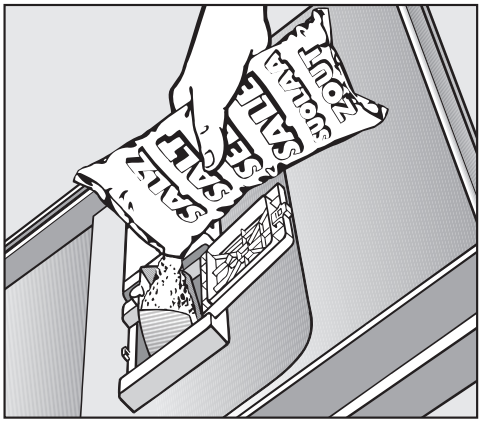
- Press the button on the top of the salt reservoir in the direction of the arrow.

The flap will spring open.



- Lift up the funnel.

Do **not** fill the reservoir with water.



- Add salt only until the reservoir is full or until water runs out of the opening. The salt reservoir holds approx. 1 kg of salt, depending on the brand used.

Do not add any more than 1 kg of salt.

As the salt reservoir is filled, displaced water may overflow.

- Clean any excess salt from around the reservoir opening, and then close the flap.
- Immediately after filling the salt reservoir, run the *Quick wash* programme with the *Short* programme option selected and without any crockery in the dishwasher, to remove any traces of salt from the cabinet.

Add salt reminder

- Fill the salt reservoir with dishwasher salt for reactivation when ⇄ Add salt appears. (If it appears during a programme, wait until the end of the programme).
- Confirm with *OK*.

The refill reminder will go out.

⚠ Risk of corrosion.
Immediately after filling the salt reservoir, run the *Quick wash* programme with the *Short* programme option selected and without any crockery in the dishwasher to remove any traces of salt from the cabinet.

After the salt reservoir has been filled, the refill reminder may still appear in the display if the salt concentration has not yet reached the correct level. If this is the case, confirm again with *OK*.

The refill reminder will be switched off if you have programmed the dishwasher for a water hardness below 0.9 mmol/l (5°d - German scale).

If you only ever use combination products containing salt and rinse aid in your dishwasher, you can switch the reminders off if you wish (see "Settings menu - Refill reminders").

If you switch to using detergent that does not contain salt or rinse aid, it is important to remember to add salt and rinse aid and to switch the reminders back on.

Rinse aid

Rinse aid is necessary to ensure water does not cling and leave marks on crockery during the drying phase and helps crockery dry faster after it has been washed.
Rinse aid is poured into the storage reservoir and the amount set is dispensed automatically.

⚠ Inadvertently filling the rinse aid reservoir with washing-up liquid or powder or liquid detergent will damage the reservoir. Only pour rinse aid formulated for domestic dishwashers into the reservoir.

Alternatively, it is possible to use

– Household vinegar with a max. 5% acid content

or

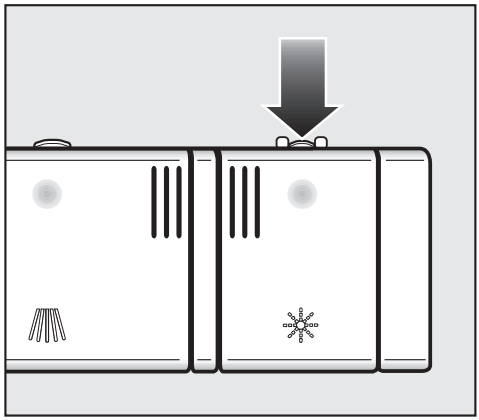
– Liquid citric acid up to 10% acid content

The resulting rinsing and drying quality will not, however, be as good as when rinse aid is used.

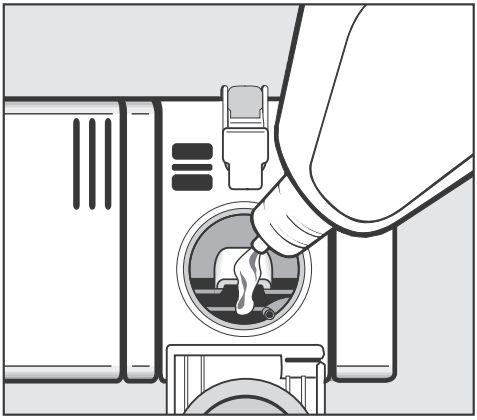
⚠ Do not use vinegar with a higher acid content (e.g. vinegar essence 25% acid).
This would damage the dishwasher.

If you only ever use combination products containing rinse aid in your dishwasher, you do not need to add rinse aid.

Adding rinse aid



■ Press the button on the lid of the rinse aid reservoir in the direction of the arrow until the flap springs open.



- Add rinse aid only until it is visible in the opening.

The rinse aid reservoir holds approx. 110 ml.

- Close the flap firmly so that it clicks into place. Otherwise water can enter the rinse aid reservoir during a programme.
- Wipe up any spilled rinse aid. This prevents over-foaming occurring during the next programme.

You can adjust the rinse aid dosage for best results (see "Settings menu, Rinse aid").

Add rinse aid reminder

When the ✳ Add rinse aid message appears, the reservoir contains sufficient rinse aid for 2 - 3 programmes only.

- Add rinse aid in plenty of time.
- Confirm with *OK*.

The refill reminder will go out.

If you only ever use combination products containing salt and rinse aid in your dishwasher, you can switch both reminders off if you wish (see "Settings menu - Refill reminders").

If you switch to using detergent that does not contain salt or rinse aid, it is important to remember to add salt and rinse aid and to switch the reminders back on.

Notes

Remove coarse food residues from crockery.

There is no need to rinse items under running water.

⚠ Do not wash items soiled with ash, sand, wax, lubricating grease or paint in the dishwasher. These will damage to the dishwasher.

Crockery can be loaded anywhere in the baskets, but the following notes should be observed:

– Do not place crockery and cutlery inside other pieces where they may be concealed.

– Load the crockery so that water can access all surfaces. This ensures that they get properly cleaned.

– Make sure that all items are securely positioned.

– Hollow items such as cups, glasses, pans, etc. must be inverted in the basket.

– Tall, narrow, hollow items, e.g., champagne glasses, should be placed in the centre of the basket to ensure better water coverage.

– Wide based items should be placed at an angle so that water can run off them freely.

– The spray arms must not be blocked by items which are too tall or hang through the baskets. If in doubt, test for free movement by manually rotating the spray arms.

– Make sure that small items cannot fall through the holders in the baskets.
Small items, e.g. lids, should therefore be placed in the cutlery tray or cutlery basket (depending on model).

Some foodstuffs may contain natural dyes, e.g. carrots, tomatoes or ketchup. Plastic items in the dishwasher may discolour if large quantities of these foodstuffs find their way into the dishwasher on the crockery. The stability of plastic items is not affected by this discolouration. Cleaning silver cutlery in the dishwasher may also cause plastic items to discolour.

Items not suitable for dishwashers:

– Wooden cutlery and crockery or items with wooden parts: these may discolour and fade. The glue used in these items is not dishwasher-proof and wooden handles may come loose after being washed in a dishwasher.

– Craft items, antiques, valuable vases and decorative glassware: such items are not suitable for dishwashers.

– Plastic items which are not heat resistant: the high temperatures in the dishwasher may cause them to melt or lose shape.

– Copper, brass, tin and aluminium items: these may discolour or become matt.

– Colours painted over a glaze: these may fade after a number of washes.

– Delicate glassware and glassware containing lead crystal: clouding may occur over time.

Please note

Silverware previously cleaned with a **silver polish** may still be damp or spotted at the end of a programme, where water has not run off smoothly. It may need to be rubbed dry with a soft cloth.

Silver which has been in contact with foods containing sulphur can discolour. These include egg yolk, onions, mayonnaise, mustard, pulses, fish, fish brine and marinades.

⚠ Aluminium components (e.g. cooker hood grease filters) must not be cleaned with caustic alkaline commercial or industrial cleaning agents.

These may damage the material, or in extreme cases, there is a risk of a severe explosive chemical reaction (such as an explosive oxyhydrogen gas reaction).

Tip: When purchasing new crockery and cutlery, make sure they are dishwasher-proof.

Glass care

– Clouding may occur on glasses after frequent washing. If delicate glassware is washed in the dishwasher ensure that only very low temperatures are used (see programme chart), or a special glass-care programme is used (depending on model). This will reduce the risk of clouding.

– Purchase glassware which is dishwasher safe (e.g. Riedel glassware).

– Use detergents with glass protective additives (e.g. Miele CareCollection tabs).

– Visit "http://www.mieleglass-care.com/international/en/glasscare/english" for more information on glass care.

Upper basket

See "Loading the dishwasher / Loading examples" for examples of how to load crockery and cutlery.

⚠ For safety reasons, do not operate the dishwasher without the upper and lower baskets in place (except when running the Tall items programme, if available).

- Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls, etc.
  Shallow pans or casserole dishes can also be placed in the upper basket.
- Long items such as soup ladles, mixing spoons and long knives should be placed lying down across the front of the upper basket.

Cup rack

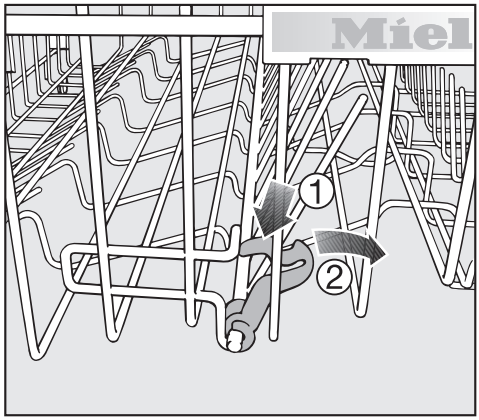
- Raise the rack upwards to make room for tall items.

Glasses can be arranged along the cup rack for support during the programme.

- Lower the cup rack and lean the glasses against it.

Hinged spikes

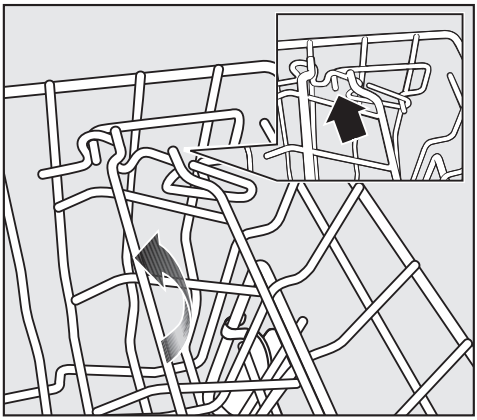
The rows of spikes can be lowered to make more room for larger items such as casserole dishes.



- Press the yellow lever downwards ① and then lower the spikes ②.

Jumbo cup rack (depending on model)

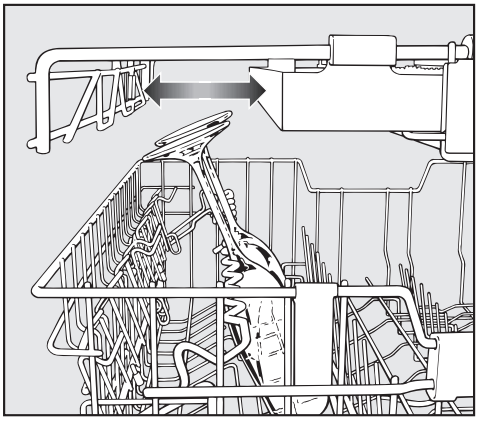
The cup rack can be set at two different widths so that it can also accommodate large cups.



- Pull the cup rack upwards and click it back into position at the required width.

Glass rail

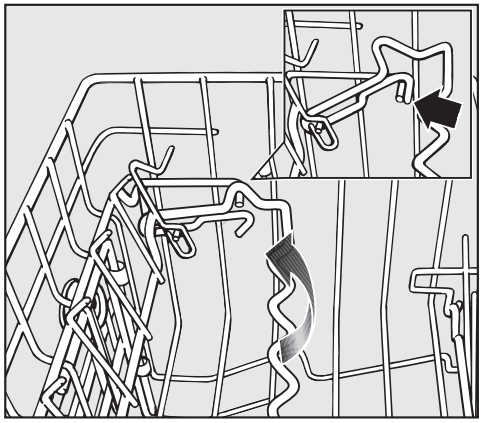
This rail is designed to hold tall glasses and glasses with stems securely.



- Lower the rail and lean tall glasses against it.
- You can also move one of the side inserts of the cutlery tray to make more room for tall glasses.

Adjusting the height

You can set the glass rail at two different heights.



- Pull the rail upwards and click it back into position at the required height.

Use the low setting for small glasses and tumblers.

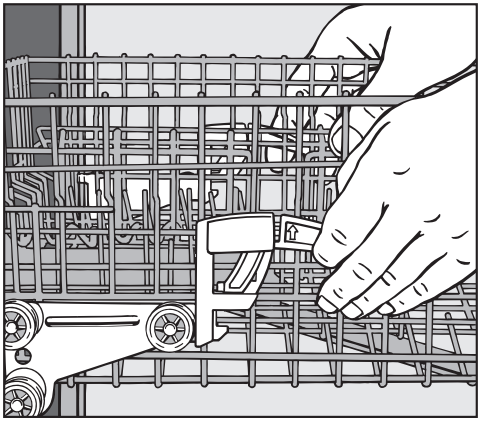
Use the high setting for tall glasses and glasses with stems.

Adjusting the upper basket

In order to gain more space for taller pieces of crockery in the lower or upper basket, the upper basket can be adjusted on three levels with 2 cm between each level.

The upper basket can also be set at an angle with one side high and the other side low. This can be useful to help prevent water being left in deep dishes etc. Ensure, however, that the basket can be inserted smoothly into the cabinet. It is better to adjust the basket before loading it.

- Pull out the upper basket.



To raise the upper basket:

- Lift the basket up until it clicks into place.

To lower the upper basket:

- Pull upwards on the levers at either side of the upper basket.
- Adjust the basket to the desired height and then push the levers securely back down into position.

Depending on the setting of the upper basket, the following plate dimensions can be accommodated.

Dishwashers with cutlery basket
(see data plate for model number)

Upper basket level	Plate ∅ in cm		
	Upper basket		Lower basket
	Standard	XXL	
Top	20	24	31 (35*)
Middle	22	26	29
Bottom	24	28	27

Dishwashers with cutlery tray
(see data plate for model number)

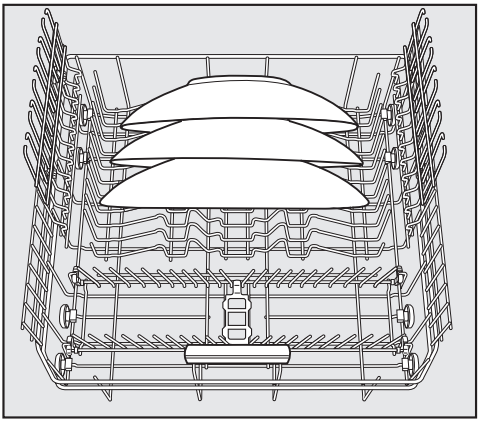
Upper basket level	Plate ∅ in cm		
	Upper basket		Lower basket
	Standard	XXL	
Top	15	19	31 (35*)
Middle	17	21	29
Bottom	19	23	27

* When tilted, plates of up to 35 cm can be accommodated (see "Lower basket).

Lower basket

See "Loading the dishwasher / Loading examples" for examples of how to load crockery and cutlery.

- For larger and heavier items such as plates, serving platters, saucepans, bowls, etc.
  Glasses, cups and small items such as saucers can also be placed in the lower basket. Do not place thin, delicate glassware in the lower basket.



- Place very large plates in the centre of the lower basket.

When tilted, plates up to 35 cm in diameter can be accommodated.

Removable MultiComfort insert

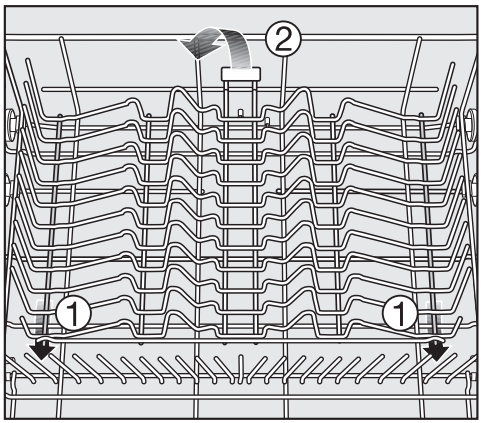
The rear section of the lower basket is used for washing cups, glasses, plates and pots.

You can remove the MultiComfort insert to make more room for larger items such as casserole dishes.

To remove the insert

- Pull the yellow handle forwards and remove the insert.

Replacing them

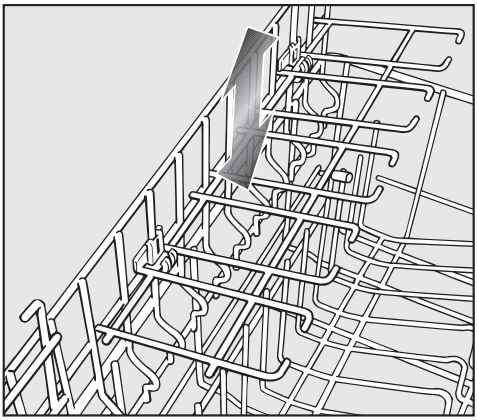


- Fit the insert into the lower basket with the hooks going under the long cross-piece ①.
- Press down on the insert until it clicks into position ②.

Glass rack

- The glass rack can be raised to make more room for tall items.
- Stem glassware, e.g. wine glasses or champagne flutes, can be leaned against the glass rack or suspended from it.

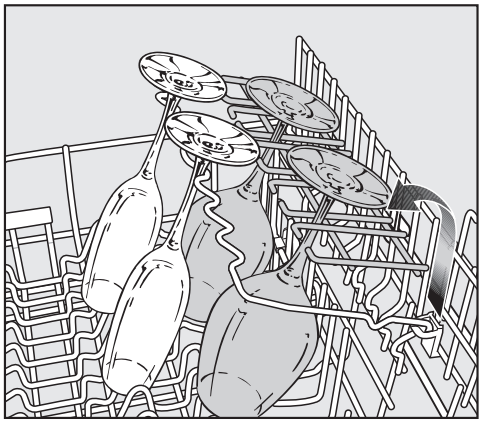
You can set the glass rack at two different heights.



- Slide the glass rack to the desired height until the catches click into place at the top and rest on the bottom.

Glass rail

This rail is designed to hold tall glasses and glasses with stems securely.

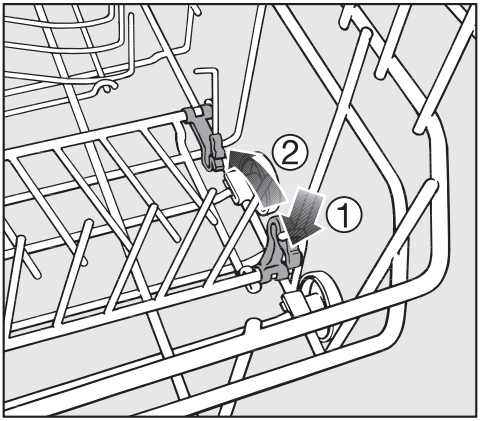


- Lower the rail and lean tall glasses against it.

Hinged spikes

The spikes at the front are used for washing plates, soup bowls, platters, dessert bowls, and saucers.

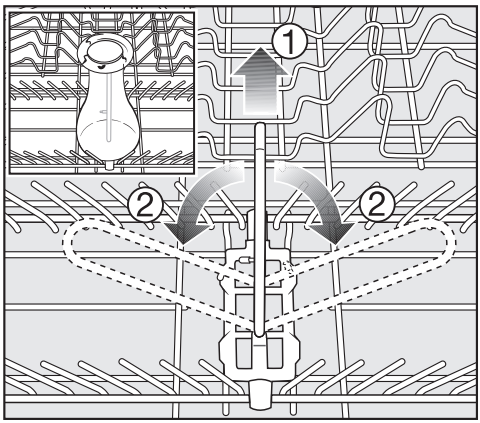
Both rows of spikes can be lowered to make more room for large items, e.g. pots, pans and dishes.



■ Press the yellow lever downwards ①, and then lower the spikes ②.

Bottle holder

The bottle holder can be used to wash narrow items, e.g. milk and baby bottles.



■ If the bottle holder is not needed, lift it up ① and fold the sides down ②, as illustrated.

Cutlery

3D cutlery tray (depending on model)

See "Loading the dishwasher / Loading examples" for examples of how to load crockery and cutlery.

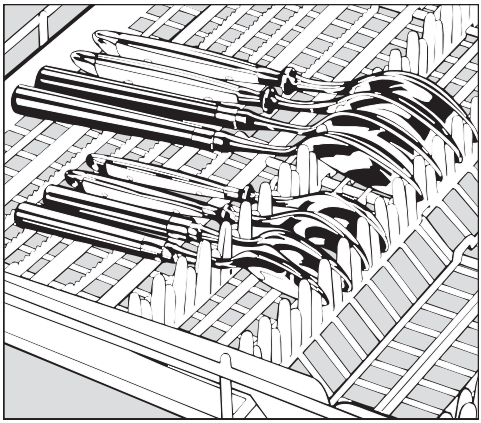
- Arrange the cutlery in the tray as shown.

To make unloading much easier, cutlery should be grouped in zones, one for knives, one for forks, one for spoons, etc.

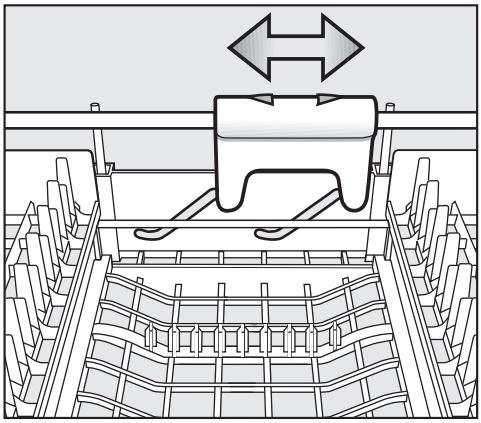
Spoon heads should be placed in contact with at least one of the serrated retainers on the base of the cutlery tray to ensure that water runs off them freely.

The upper spray arm must not be blocked by items which are too big (e.g. cake slices).

The side sections of the tray can be moved into the middle to accommodate tall items of crockery in the upper basket.

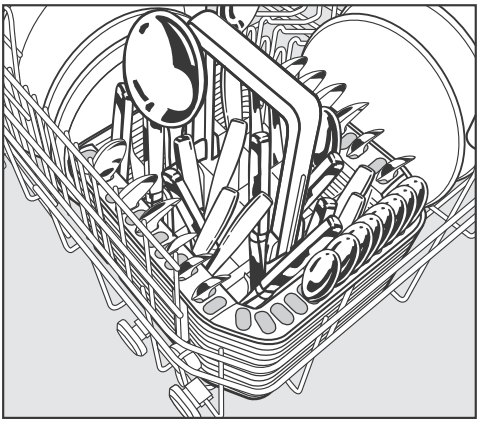


If spoon handles do not fit between the holders, then lay them the other way round.



You can use the yellow slide to adjust the height of the middle section of the cutlery tray to make more room for large items of cutlery, such as serving spoons and ladles.

Cutlery basket (depending on model)

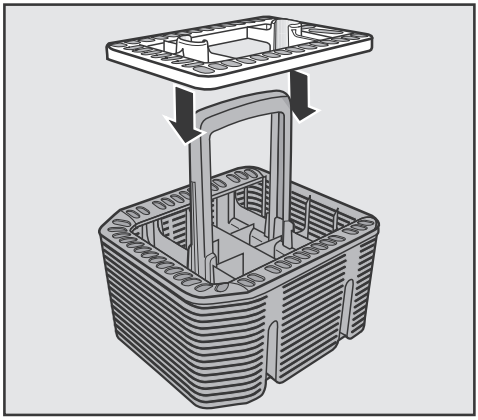


The cutlery basket can be placed anywhere on the front rows of spikes in the lower basket.

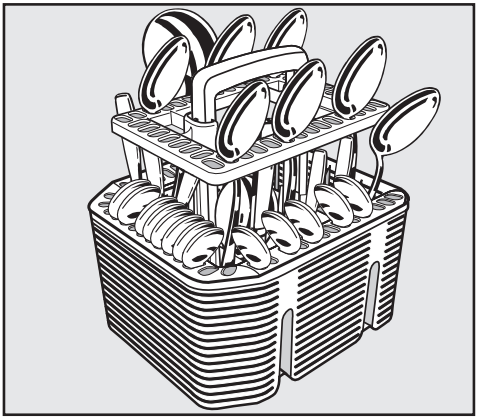
- To avoid the risk of injury, knives and forks should be placed with the handles upwards in the basket. However, cutlery placed handle down in the basket will come out cleaner and drier.
- Place small items of cutlery in the individual slots on three sides of the cutlery basket.

Cutlery insert for the cutlery basket

Use the insert supplied for heavily soiled items of cutlery. The insert separates the items so that they can be more easily accessed by water.



- Fit it onto the cutlery basket if required.

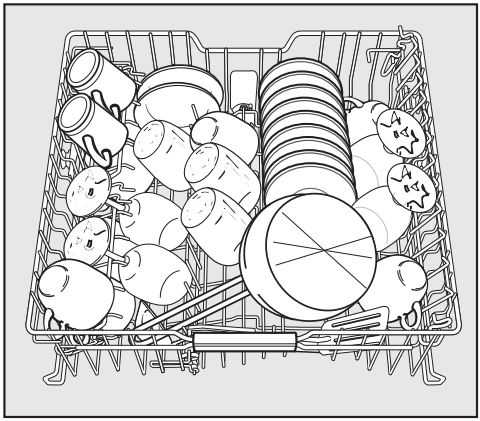


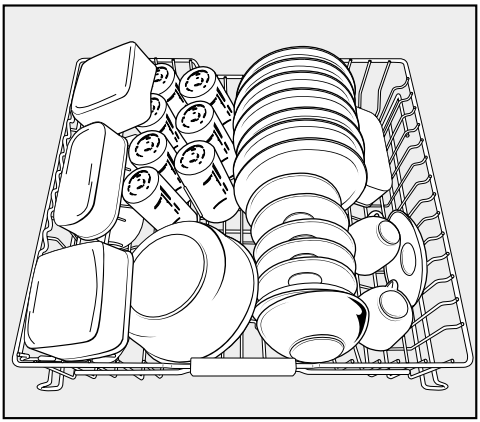
- Insert cutlery with the handles facing downwards,
- and distribute them evenly along the insert.

Loading examples

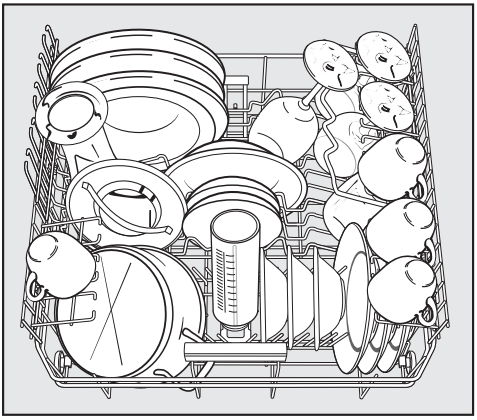
Dishwashers with cutlery tray

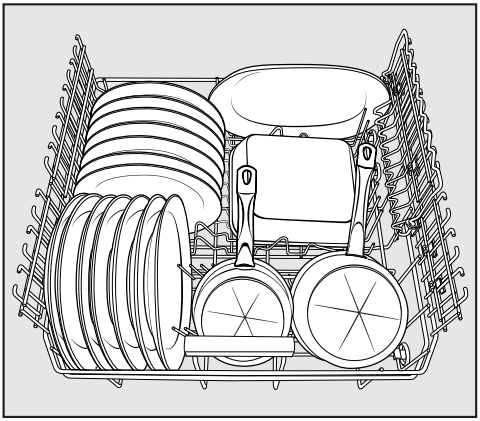
Upper basket





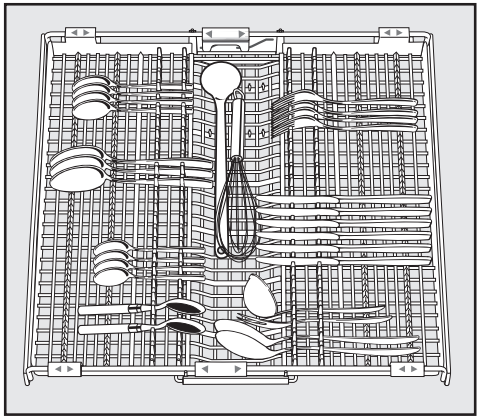
Lower basket

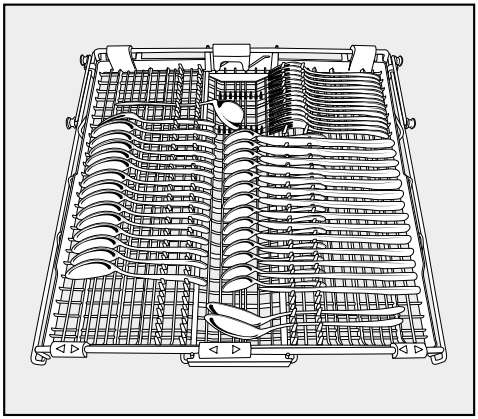




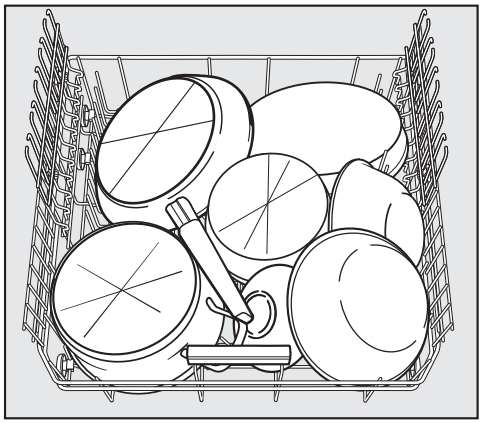
Loading the dishwasher

Cutlery tray



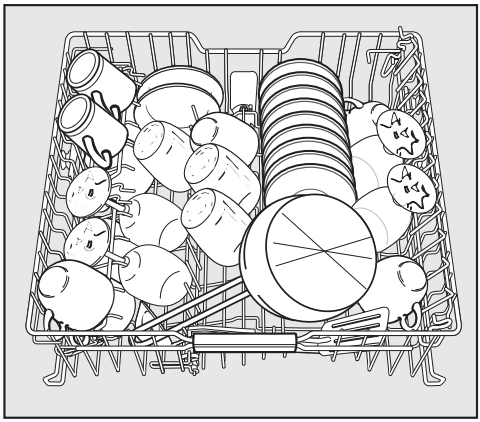


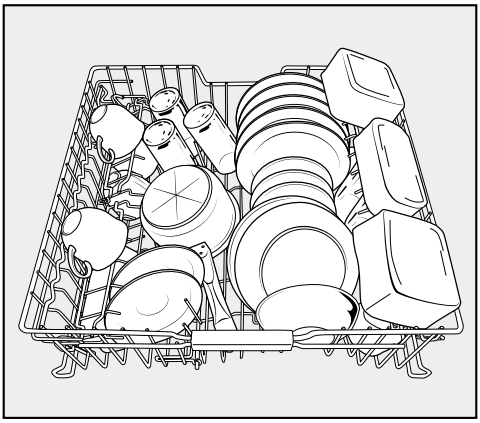
Heavily soiled items



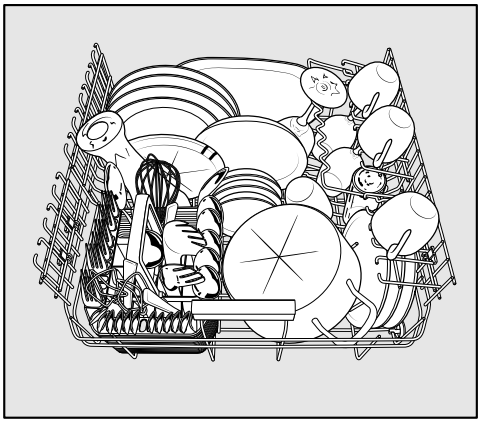
Dishwashers with cutlery basket

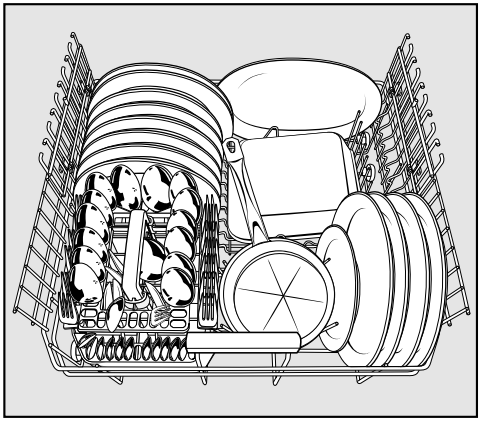
Upper basket





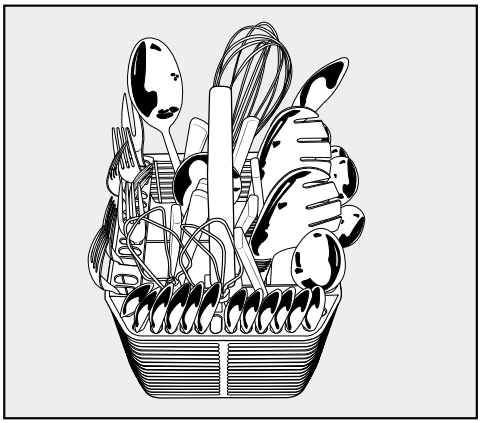
Lower basket

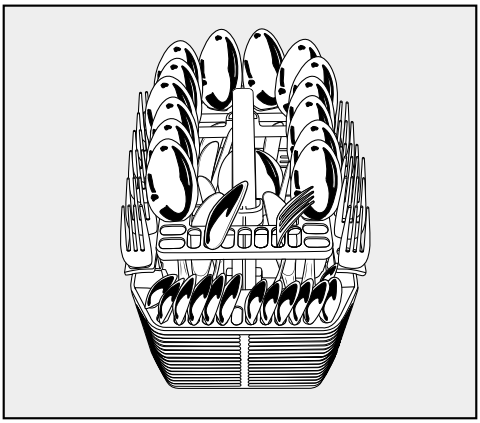




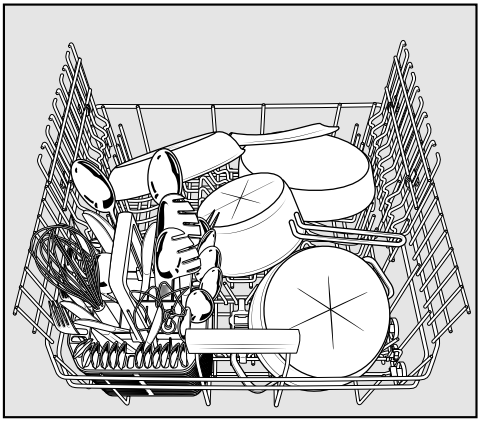
Loading the dishwasher

Cutlery basket





Heavily soiled items



Detergent

⚠ Only use detergents formulated for domestic dishwashers. Do not use washing-up liquid.

Active ingredients

Modern detergents contain various active ingredients, the most important of which are:

– Complexing agents to prevent calcification.

– Alkalis to aid removal of dried on soiling.

– Enzymes to break down starch and loosen protein.

– Oxygen based bleaching agents to remove coloured stains (e.g. tea, coffee, tomato sauce).

Most dishwasher detergents are mildly alkaline and contain enzymes and oxygen based bleaching agents.

Types of detergent:

– Powder and liquid gel detergents. These detergents allow you to adjust the amount dispensed according to the amount of load and level of soiling.

– Tab detergents. These are suitable for most levels of soiling.

You can also buy combination products (see "Programme options, Detergent-Agent", if applicable).
In addition to detergent, these products contain rinse aid and salt substitutes. They are available as "3 in 1" or when they also contain other components such as glass and stainless steel protective additives and enhanced cleaning power, as "5 in 1", "7 in 1", "All in 1" etc.
Refer to the manufacturer's packaging as to whether combination products are suitable for the water hardness level in your area.
Please note that the cleaning and drying results of combination detergents can vary greatly.

For optimum cleaning and drying results, use Miele dishwasher detergent and add Miele salt and Miele rinse aid separately. See "Optional accessories".

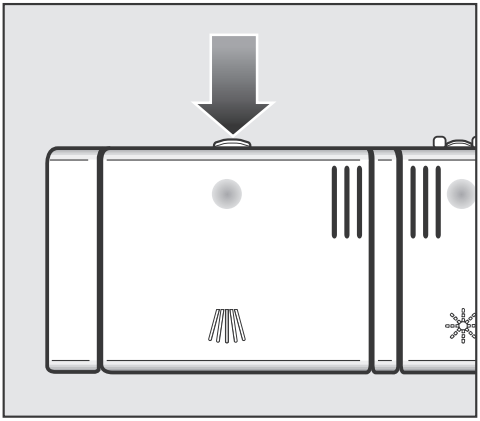
Detergent dosage

- Follow the dosage recommended by the manufacturer on the packaging.
- Unless directed otherwise, use one detergent tab or add 20 to 30 ml detergent to compartment II, depending on the level of soiling. With very heavy soiling you can also add a small amount of detergent to compartment I.
- Tabs may not dissolve completely when the Quick wash programme (if available) is used.

Failure to dispense the recommended amount of detergent may impair cleaning results.

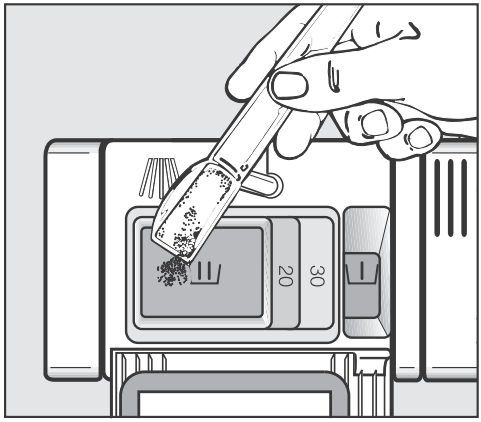
⚠ Dishwasher detergents can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing.
Avoid inhalation of powder detergents and do not ingest dishwasher detergent. Seek medical attention immediately if detergent has been swallowed or inhaled.
Keep detergent out of the reach of children at all times. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. Only add detergent just before starting the programme and close the door, activating the safety lock (if your dishwasher is fitted with one).

Adding detergent



- Press the opening catch on the detergent dispenser. The flap will spring open.

The flap is always open at the end of a programme.



- Add the required amount of detergent and close the flap.
- Make sure that the detergent packaging is properly closed after use to avoid it getting damp and clumping together.

For information

Compartment I holds max. 10 ml, Compartment II holds max. 50 ml of detergent.

There are marks in compartment II to assist with dispensing: 20, 30. The marks indicate a level of approx. 20 or 30 ml when the door is open in a horizontal position.

Switching on

- Open the stopcock, if it is closed.
- Open the door.
- Make sure the spray arms can rotate freely.
- Press the ⏻ button for at least 2 seconds.

The programme selected will appear briefly in the display and the appropriate indicator light will come on.
Then, if applicable, the estimated energy and water consumption for the programme selected will appear for a few seconds.
Finally, the display will show the estimated programme duration for the programme selected.

Switch the Memory function on (see "Settings menu, Memory") if you want the last programme selected to remain selected instead of the *ECO* programme.

Selecting a programme

Choose your programme according to the type of load and how dirty it is.

The different programmes and their uses are described in the **Programme chart** later on in this booklet.

- Use the programme selector button ∨ to select the programme required.

The indicator light next to the programme selected will come on.

Further programmes are selected via the *Further* option.

- Use the programme selector button ∨ to select the *Further* option.

The first of the further programmes will appear in the display.

- Use the ∨∧ arrow buttons to select the programme required.

During the course of the programme you can use *OK* to display the name of the programme which is currently running.

You can now select programme options (see "Programme options").

If any programme options are selected, the appropriate indicator lights will also light up.

Starting the programme

- Start the programme by closing the door.

The programme will begin.

The in-operation indicator comes on to show that a programme has been started.

A programme should only be cancelled in the first few minutes, if at all. Otherwise important programme stages could be omitted.

Display

The estimated duration of the programme selected appears in hours and minutes in the display before the programme begins. During the programme, the time left until the end of the programme is displayed.

Symbols appear to indicate which stage the programme is at:

- Pre-wash / Soak
- Main wash
- Interim rinse
- Final rinse
- Drying
- Finish

The programme duration displayed may vary with the same programme. It is influenced by, among other things, the water temperature at each intake, the reactivation process, the type of detergent, the amount of crockery and how dirty it is.

When a programme is selected for the first time, the display shows an average duration for a cold water intake.

The durations shown in the Programme chart refer to standard test loads and temperatures.

Each time a programme is run, the electronic unit takes the new conditions into account, and calculates the programme duration required.

Energy management

To save energy, the dishwasher will switch off automatically 10 minutes after the last time a button has been pressed or 10 minutes after the end of the programme (see "Settings menu, Optimise standby").

- Press the ⏻ button to switch the dishwasher back on.

The dishwasher will not switch off whilst a programme or the FlexiTimer is running or if there is a fault.

At the end of a programme

At the end of a programme, the In-operation indicator light will be visible flashing slowly with the door shut. The buzzer might also be sounding.

The programme has finished when ↻ Finished appears in the display and the door has opened slightly (if applicable).

If the Consumption programmable function is switched on, you can now call up the actual energy and water consumption of the programme which has just finished (see "Caring for the environment, EcoFeedback consumption indicator").

The drying fan may continue to run for a few minutes at the end of the programme.

You can now empty the dishwasher.

The In-operation indicator light will go out 10 minutes after the end of the programme if the door is closed.

⚠ If you have deactivated the automatic door opening function (see "Settings menu, AutoOpen"), but would like to open the door as soon as the programme has finished make sure that you open the door fully. Otherwise steam from the dishwasher could damage the edge of the worktop because the fan is no longer running.

Switching off

At the end of a programme:

- Open the door.
- The dishwasher can be switched off at any time using the ⏻ button.

Switching the dishwasher off during a programme stops the programme.

Switching the dishwasher off during the run-up to a delay start time (FlexiTimer) will also stop the process.

If the dishwasher is not going to be used for a longer period of time, e.g. whilst on holiday, the stopcock should be closed.

Unloading the dishwasher

Dishes tend to break and chip more easily when they are hot. Allow the dishes to cool until they are comfortable enough to handle before unloading them.

If you open the door fully after switching off, the dishes will cool much faster.

First unload the lower basket, then the upper basket and finally the cutlery tray (depending on model).
This will prevent water drops from the upper basket and cutlery tray falling onto the dishes in the lower basket.

Interrupting a programme

A programme is interrupted as soon as the door is opened.
If the door is closed again, the programme will continue from the point it was at before the door was opened.

⚠ Water in the dishwasher may be hot. Danger of scalding.
Only open the door if absolutely necessary and exercise extreme caution when doing so. Before closing the door again, leave it ajar for approx. 20 seconds. This will enable the temperature in the wash cabinet to settle. Then raise the door up and push until the catch engages.

Changing a programme

If the detergent dispenser flap has already opened, do not change the programme.

If a programme has already started and you wish to change it, proceed as follows:

- Open the door.
- Switch the dishwasher off with the ⏻ button.
- Switch the dishwasher on again with the ⏻ button.
- Select the programme you want.
- Start the programme by closing the door.

The in-operation indicator comes on to show that a programme has been started.

Options

You can select and deselect the options using the appropriate buttons and the display.

- Open the door.
- Switch the dishwasher on with the ⏻ button.

The indicator light next to the programme selected will come on.

- Select a programme.
- Press the button for the option you want.

The indicator light will come for the relevant button will come on if the option is available for the programme selected.

If the option is not compatible with the programme selected, a message to this effect will appear in the display.

- In this instance, confirm the message with *OK*.
- Start the programme by closing the door.

The option selected will remain active for that particular programme until the setting is changed.

Short

The *Short* option reduces the duration of programmes in which this option is available by up to 30%.

In order to achieve optimum cleaning results energy consumption may increase slightly with this option.

When used in combination with the "Quick wash" programme, the *Short* option results in a wash programme without drying or automatic opening of the door (if available).

Energy save

The *Energy save* option reduces the energy consumption of programmes in which this option is available by up to 20%.

In order to achieve optimum cleaning results the programme duration is extended with this option.

Intensive lower basket

The *Intensive lower basket* option intensifies cleaning performance in the lower basket in programmes in which this option is available.

Energy and water consumption are increased slightly due to the extended wash duration in the lower basket.

Extra dry

The *Extra dry* option improves the drying performance in programmes in which this option is available.

Energy consumption is increased due to an extended fan running time and an increased final rinse temperature.

FlexiTimer with EcoStart

The FlexiTimer ◴ gives you three ways of starting the programme by means of delaying the start. You can set the start time or the finish time of a programme. You also have the option of taking advantage of time variable economy rates of electricity using the EcoStart function.

When using the FlexiTimer, make sure that the detergent compartment is dry before adding detergent. Wipe dry with a cloth if necessary. If the compartment is wet, powder detergent can become lumpy and stick to the dispenser, with the result that it is not fully dispensed.
Do not use liquid detergent as it can run into the dishwasher before it is required.

- Open the door.
- Switch on the dishwasher with the ⏻ button.
- Select the programme you want.
- Press the ◴ button.

The ◴ indicator will light up.

You can use the ∨∧ arrow buttons to select the Start at, Finish at, or EcoStart function or Back ⮌.

- Confirm selection of the function you want with *OK*.

The set time will appear and the hour number block will be highlighted.

You can now enter the time you want using the ∨∧ arrow buttons and confirm with *OK*.

If, while you are setting the time, you do not press any buttons for several seconds, the display will revert to the previous menu. You will then have to enter your settings again.

Start at

With the Start at function, you set the exact time you want the programme to start at.

- Use the ∨∧ arrow buttons to set the hour and confirm with *OK*.

The hours will be saved and the minute number block will be highlighted.

- Use the ∨∧ arrow buttons to set the minutes and confirm with *OK*.

The saved start time for the programme selected will appear in the display.
The Start indicator light will come on.

- Close the door.

When the set time is reached, the programme selected will begin automatically.

Finish at

With the Finish at function, you set the time you wish the programme to end at.

- Use the ∨∧ arrow buttons to set the hour and confirm with *OK*.

The hours will be saved and the minute number block will be highlighted.

- Use the ∨∧ arrow buttons to set the minutes and confirm with *OK*.

The estimated start time for the programme selected will appear in the display.
The Start indicator light will come on.

- Close the door.

A message will appear in the display if the programme cannot be completed by the set finish time because it has too long a running time.

The programme will start automatically when the estimated start time is reached.

EcoStart

The EcoStart function allows you to take advantage of time variable economy rates of electricity. Before you can use this option you must set up to three electricity tariff time zones (see "Settings menu, EcoStart").
You then set the latest time at which the programme selected should end.
The dishwasher will start automatically in the cheapest tariff zone within the time set.

- Use the ∨∧ arrow buttons to set the hour and confirm with *OK*.

The hours will be saved and the minute number block will be highlighted.

- Use the ∨∧ arrow buttons to set the minutes and confirm with *OK*.

The estimated start time for the programme selected will appear in the display.
The ◴Start indicator light will come on.

- Close the door.

The selected programme will start automatically during the most cost effective time zone. It will finish at the latest by the set finish time.

Changing or deleting set times

You can change the set times or the programme before the start time in the display is reached.

- Open the door.
- Press the ◴ button.
- Use the arrow buttons ∨∧ to select the setting you want to change and confirm with *OK*.
- Use the arrow buttons ∨∧ to select the Change or Delete function and confirm with *OK*.

After confirming the Change function you can change the set time.

After confirming the Delete function, the programme duration will appear in the display for the selected programme.
The ◴ indicator light will go out and the indicator light for the selected programme will come on.

- Start the programme by closing the door.

DetergentAgent

For optimum cleaning results, the dishwasher automatically adjusts the programme sequence to the type of detergent being used. Depending on the programme, this can mean that the running time and energy consumption vary slightly.

If you only ever use combination products containing salt and rinse aid in your dishwasher, you can switch the reminders off if you wish (see "Settings menu - Refill reminders"). The DetergentAgent function will not be affected by this.

Please make sure that if you start using dishwasher salt and rinse aid again, you switch the reminders back on.

Programme chart

Programme	Programme sequence				
	Pre-wash	Main wash °C	Interim rinse	Final rinse °C	Drying
ECO [1]		52	X	47	X
Sensor wash	Variable programme sequence, sensor-controlled adjustment according to the amount of crockery and level of food deposits				
	If required	47-65	If required	57	X
Normal 55 °C	X	55	X	60	X
Intensive 75 °C	2X	75	X	60	X
Sensor wash gentle	X	44	X	57	X
Quick wash 40 °C		40	X	45	X
Hygiene		69	2X	70	X
Extra quiet		46	X	64	X
SolarSave	2X	X	X	X	X
Tall items 65 °C	X	65	X	60	X
Maintenance programme		75	2X	70	X

[1] This programme is the most efficient in terms of its combined energy and water consumption for cleaning normally soiled crockery.

Consumption [2]			Duration [2]	
Energy		Water		
Cold water 15 °C kWh	Hot water 55 °C kWh	Litres	Cold water 15 °C h:min	Hot water 55 °C h:min
0.84 [3] / 0.83 [4]	0.49 [3] / 0.48 [4]	9.7	3:18	3:08
0.70 [5] -1.30 [6]	0.50 [5] -0.85 [6]	6.5 [5] -16.0 [6]	1:25-2:45	1:20-2:35
1.10	0.70	14.0	1:59	1:47
1.45	0.95	15.0	2:54	2:40
0.90	0.45	13.5	1:53	1:42
0.65	0.25	11.0	0:46	0:35
1.60	1.20	13.5	2:17	2:05
1.10	0.80	10.5	4:48	4:38
	0.05	27.5		1:29
1.15	0.65	14.5	1:52	1:39
2.10	1.35	21.5	1:56	1:34

[2] Values quoted are in accordance with EN 50242. In practice there may be variations to these figures due to variable conditions and data recorded by the sensors. Durations shown will reflect your household conditions.
Selecting programme options will also affect consumption levels and programme durations (see "Programme options").

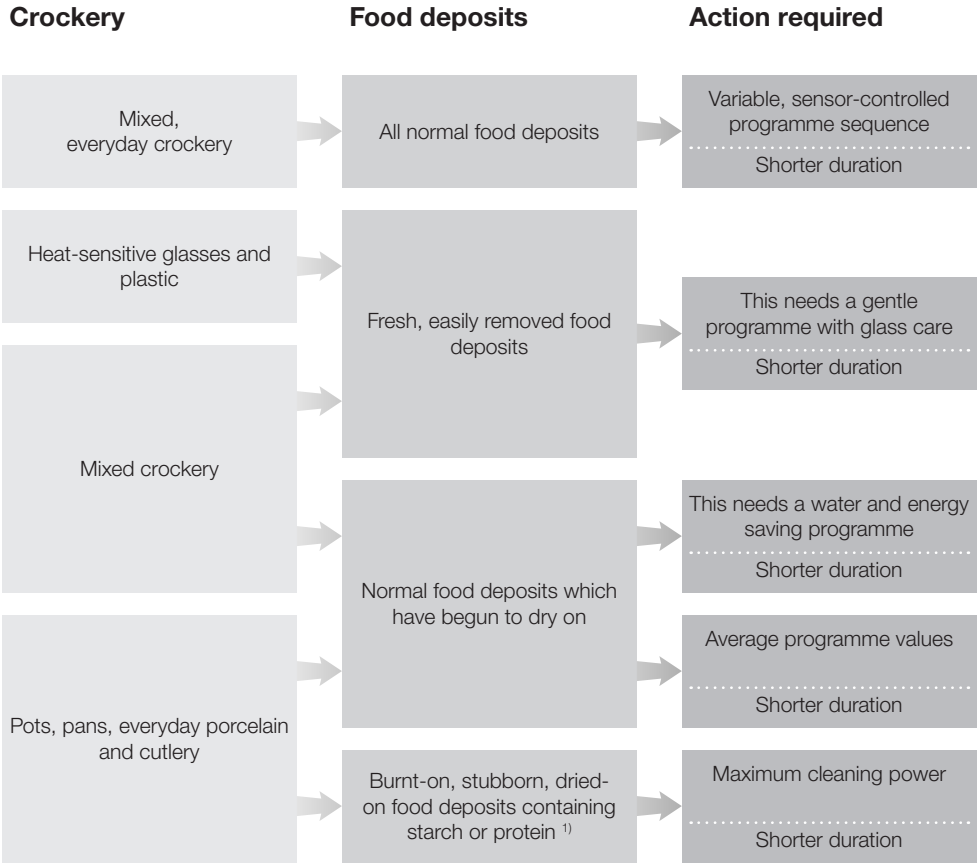
[3] Dishwashers with cutlery tray

[4] Dishwashers with cutlery basket

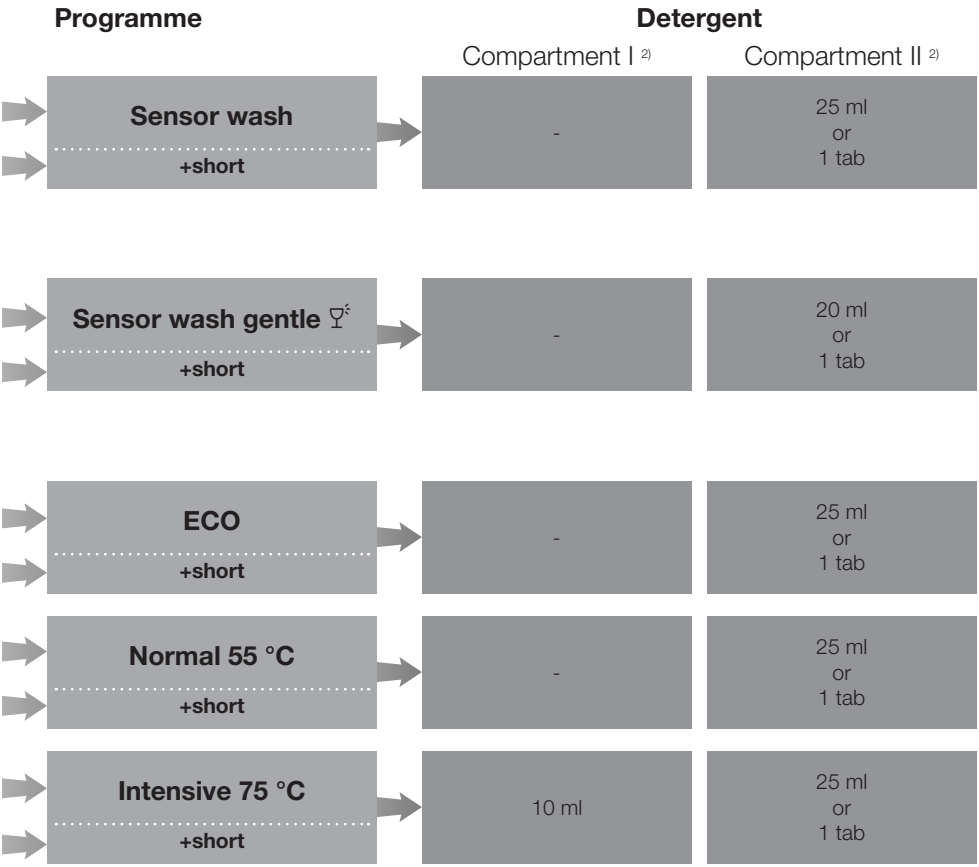
[5] Part load with light soiling

[6] Full load with heavy soiling

Programme chart


Crockery
Food deposits
Action required
Mixed, everyday crockery
All normal food deposits
Variable, sensor-controlled programme sequence
Shorter duration
Heat-sensitive glasses and plastic
Fresh, easily removed food deposits
This needs a gentle programme with glass care
Shorter duration
Mixed crockery
This needs a water and energy saving programme
Shorter duration
Normal food deposits which have begun to dry on
Average programme values
Shorter duration
Pots, pans, everyday porcelain and cutlery
Burnt-on, stubborn, dried-on food deposits containing starch or protein 1)
Maximum cleaning power
Shorter duration

1) Food such as potatoes, pasta, rice or stews can leave starchy deposits. Deposits containing protein can be left by food such as fried meat, fish or eggs and bakes.



2) see "Detergent"

Further programmes

Quick wash

Programme with a short duration for removing fresh food residues that have not dried on. This programme is also suitable for glasses and plastic items that do not tolerate high temperatures.

Hygiene

Special programme for items which need to be hygienically clean, e.g. baby bottles and chopping boards.

Extra quiet

Very quiet programme with a longer duration. Suitable for mixed loads of crockery, pots and pans with normal, slightly dried on food residues.

SolarSave

This programme does not heat the water. To use it the water intake temperature must be at least 45 °C / 115 °F (see "Plumbing / Connection to the water supply"). This programme is suitable for mixed loads of crockery and glassware with normal, slightly dried on food residues.

Tall items 65 °C

Programme for very large heat-resistant items, (e.g. very deep pans). In this programme the upper basket is removed to make space for large items in the lower basket. This programme has a medium action to remove normal, slightly dried on residues.

Maintenance programme

The wash cabinet is largely self-cleaning. However, if residues or soiling build up in the cabinet, they can be removed by running the "Maintenance programme" without a load. This programme is designed for cleaning the wash cabinet using care products such as Miele's dishwasher cleaner or conditioner (see "Optional accessories / Dishwasher care products). Please follow usage instructions on the packaging.

Check your dishwasher regularly (approx. every 4 - 6 months). This way faults and problems can be avoided.

⚠ The external surfaces of the dishwasher are susceptible to scratching.
Contact with unsuitable cleaning agents can alter or discolour the external surfaces.

Cleaning the wash cabinet

The wash cabinet is largely self-cleaning, provided that the correct amount of detergent is always used.

If, however, there are limescale or grease deposits in the cabinet, these can be removed with a special dishwasher cleaner (see "Optional accessories"). Follow the instructions on the packaging.

If you mainly use low temperature programmes (below 50 °C), there is a risk of bacteria and unpleasant odours building up in the wash cabinet. To prevent this happening the dishwasher will automatically increase the temperature in the final rinse of the selected programme after several programmes using low temperatures have been run.

- Clean the filters in the wash cabinet regularly.

Cleaning the door and the door seal

Mould could build up on the door seal and the sides of the dishwasher door as these surfaces are outside the wash cabinet and so not accessed and cleaned by the spray arm jets.

- Wipe the door seal regularly with a damp cloth to remove food deposits.
- Wipe off any food or drink residues which may have dripped onto the sides of dishwasher door before closing it.

Cleaning the control panel

- The control panel should **only** be wiped with a damp cloth.

Cleaning the reflector panel

The reflector panel for the In-operation indicator light is situated in the coverplate underneath the worktop.

- The reflector panel should only be wiped with a damp cloth or a suitable cleaning agent designed for use on plastic.

Cleaning the door front

⚠ Soiling that is left too long might become impossible to remove and could cause the external surfaces to alter or discolour.
Remove any soiling immediately.

■ Clean the front with a clean sponge and a solution of hot water and washing-up liquid. After cleaning dry with a soft cloth.
A clean, damp microfibre cloth without cleaning agent can also be used.

To avoid damaging the external surfaces, do not use:

– cleaning agents containing soda, ammonia, acids or chlorides,

– cleaning agents containing descaling agents,

– abrasive cleaning agents, e.g. powder cleaners and cream cleaners,

– solvent-based cleaning agents,

– stainless steel cleaning agents,

– dishwasher cleaner,

– oven sprays,

– glass cleaning agents,

– hard, abrasive brushes or sponges, e.g. pot scourers, brushes or sponges which have been previously used with abrasive cleaning agents,

– melamine eraser blocks,

– sharp metal scrapers.

– wire wool,

– steam cleaning appliances.

Checking the filters in the wash cabinet

The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and re-entering the cabinet through the spray arms.

⚠ This dishwasher must not be used without all the filters in place.

Collection of coarse soil may cause the filters to clog. The level of soiling and time it takes before the filters need cleaning will vary depending on use.

The message Check filters will appear in the display after every 50 programme cycles (factory default setting).

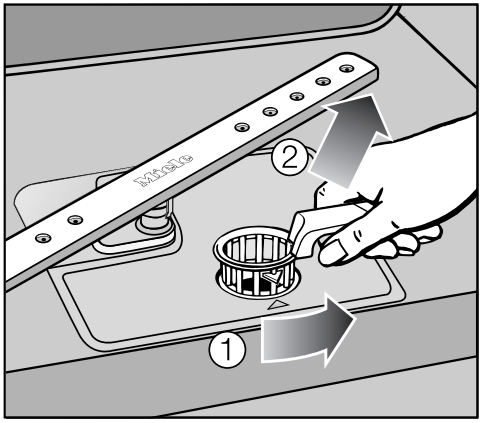
You can set the interval for this message to appear to between 30 and 60 programme cycles (see "Settings menu, Check filters").

- Check the filter combination.
- Clean it, if necessary.
- Then confirm the message with *OK*.

The message will go out.

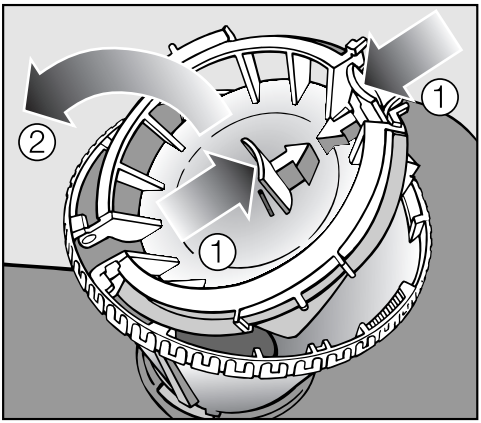
Cleaning the filters

- Switch the dishwasher off.



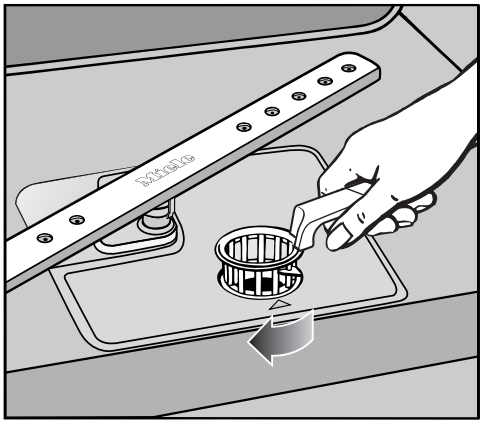
- Turn the handle anti-clockwise to release the filter combination ①.
- Lift the filter combination out of the dishwasher ②. Remove any coarse particles and rinse the filter well under running water.
  Use a nylon brush if necessary.

⚠ Make sure that when cleaning the filters, no coarse soil falls into the circulation system, causing a blockage.



To clean the inside of the filter, the flap must be opened:

- Press catches ① together in the direction of the arrows as shown, and open the filter ②.
- Rinse all the filters under running water.
- Then close the flap so that the catch engages.



- Replace the filter combination so that it lies flat in the base of the wash cabinet.
- Then turn the handle clockwise to lock the filter combination in place.

⚠ Take care when you are fitting the filter combination that it is secured in position correctly.
Otherwise coarse soil could get into the circulation system and cause a blockage.

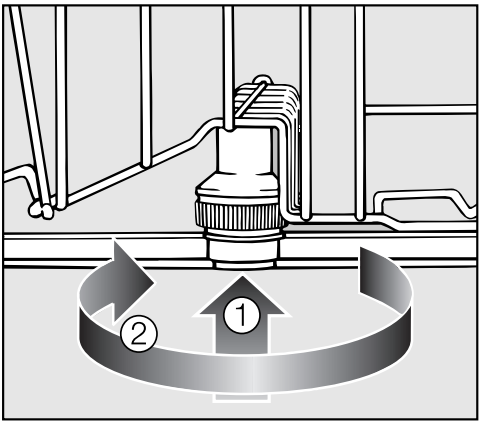
Cleaning the spray arms

Particles of food can get stuck in the spray arm jets and bearings. The spray arms should therefore be inspected and cleaned regularly (approx. every 4 - 6 months).

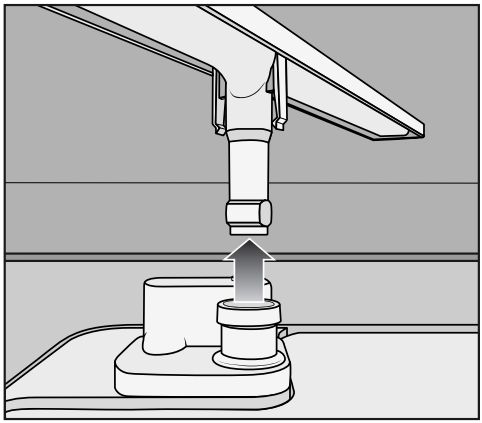
- Switch the dishwasher off.

Remove the spray arms as follows:

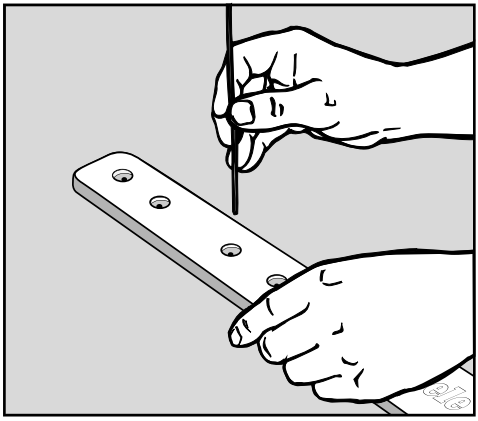
- Take out the cutlery tray (if your dishwasher is fitted with one).
- Push the **top** spray arm upwards to engage the inner ratchet. Then unscrew the spray arm.



- Push the **middle** spray arm upwards ① to engage the ratchet. Then unscrew the spray arm ②.
- Remove the lower basket.



- Pull the **lower** spray arm firmly upwards to remove it.



- Use a pointed object to push food particles into the spray arm jets.
- Rinse thoroughly under running water.
- Replace the spray arms and check that they rotate freely.

Problem solving guide

Most minor faults in the performance of the appliance, some of which may result from incorrect operation, can be put right without contacting the Service Department.

The following guide may help you to find the reason for a fault, and to correct it. You should, however, note the following:

⚠ Unauthorised or incorrect repairs could cause personal injury or damage to the appliance.
Repair work to electrical appliances must only be carried out by a suitably qualified and trained person in strict accordance with current local and national safety regulations. The manufacturer cannot be held liable for unauthorised work.

Technical problems

Problem	Cause and remedy
The dishwasher will not start.	The door is not properly closed. ■ Raise the door upwards until the catch engages.
	The appliance is not plugged in. ■ Insert the plug and switch on at the socket.
	The mains fuse has tripped. ■ Reset the trip switch in the mains fuse box or replace the fuse in the plug (minimum fuse rating - see data plate).
	The dishwasher is not switched on. ■ Switch the dishwasher on with the ⏻ button.
The dishwasher stops during a programme.	The mains fuse has tripped. ■ Reset the trip switch in the mains fuse box or replace the fuse in the plug (minimum fuse rating - see data plate). ■ If the mains fuse trips again, call the Miele Service Department.
After the programme has started, the In-operation indicator light is not visible.	The reflector panel was not correctly fitted. ■ Re-fit the reflector panel correctly (see Installation diagram).

Problem	Cause and remedy
The door locking pins do not retract after the door has opened automatically.	There is a fault with the door mechanism or the door has not been correctly balanced. ■ Call Miele Service. The AutoOpen function must be switched off before the dishwasher is used again (see "AutoOpen"). Danger of injury in the unlikely event of another fault.

Problem solving guide

Problem	Cause and remedy
The In-operation indicator is flashing quickly. The buzzer is sounding. One of the following faults is shown in the display:	Before rectifying the problem: ■ Switch the dishwasher off with the ⏻ button.
⚠ Fault FXX	There may be a technical fault. After a few seconds: ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Close the door. If the fault message appears again, there is a technical fault. ■ Call the Miele Service Department.
Waterproof	The Waterproof system has reacted. ■ Close the stopcock. ■ Call the Miele Service Department.
⚠ Fault F78	A fault has occurred in the circulation pump. ■ Switch the dishwasher off for at least 30 seconds with the ⏻ button. ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Close the door. If the fault message appears again, there is a technical fault. ■ Call the Miele Service Department.

Problem	Cause and remedy
The In-operation indicator is flashing quickly. The buzzer is sounding. One of the following faults is shown in the display:	Before rectifying the problem: ■ Switch the dishwasher off with the ⏻ button.
⚠ Fault F33	The door is sometimes obstructed by an item inside the appliance. ■ If this is the case, remove the item causing an obstruction and switch the dishwasher on again. ■ If the same message appears again, call the Service Department.
⚠ Fault F32	There may be a technical fault. ■ Open the door manually. ■ If the same message appears again, call the Service Department.

Water inlet fault

Problem	Cause and remedy
The In-operation indicator is flashing quickly. The buzzer is sounding. One of the following faults is shown in the display:	
Open stopcock	The stopcock is closed. ■ Open the stopcock fully.
Water intake	Before rectifying the problem: ■ Switch the dishwasher off with the ⏻ button.
	The water intake is restricted. ■ Open the stopcock fully and start the programme again. ■ Clean the water inlet filter (see "Maintenance"). ■ The water pressure at the intake is lower than 30 kPa (0.3 bar). Seek professional advice.
The following message appears in the display during the SolarSave programme: ℹ Intake temp. low	The intake water has not reached the required temperature of 45°C (see "Plumbing, Connection to the water supply"). ■ Start the programme again. ■ If the fault message appears again, select a different programme.

Water drainage fault

Problem	Cause and remedy
The In-operation indicator is flashing quickly. The buzzer is sounding. The following fault is shown in the display: Drain	Before rectifying the problem: ■ Switch the dishwasher off with the ⏻ button.
	The water outlet is restricted. There might be water in the wash cabinet. ■ Clean the filter combination (see "Cleaning and care, Cleaning the filters"). ■ Clean the drain pump (see "Maintenance"). ■ Clean the non-return valve (see "Maintenance"). ■ Remove any kink or loop in the drain hose.

Problem solving guide

General problems

Problem	Cause and remedy
The door will not open when knocked.	The Knock2open function has been permanently disabled. ■ Switch the door opening mechanism on again (see "Settings, Knock2open"). If the door will still not open or if there is a power cut the door can still be opened with the door opening device supplied (see "Before using for the first time, Door opening mechanism").
The interior lighting does not come on when the door is opened.	The lighting has been switched off permanently. ■ Switch the lighting back on again (see "Settings menu, BrilliantLight").
The following fault message is appears in the display: ⇆ Salt reservoir lid	The salt reservoir lid has not been closed properly. ■ Close the salt reservoir lid.
	If the salt reservoir lid has opened during a programme: ■ Switch the dishwasher off and back on again with the ⏻ button. ■ Close the salt reservoir lid. ■ Start the programme again.
Detergent residue is left in the dispenser at the end of a programme.	The dispenser was still damp when detergent was added. ■ Make sure the dispenser is dry before adding detergent.
The detergent dispenser lid cannot be closed properly.	Clogged detergent residue is blocking the catch. ■ Clean the detergent from the catch.
At the end of a programme there is a film of moisture on the inside of the door and the interior cabinet walls.	This is caused by the drying system and does not indicate a fault. The moisture will dissipate after a while.

Problem	Cause and remedy
Water remains in the wash cabinet at the end of a programme.	Before rectifying the problem: ■ Switch the dishwasher off with the ⏻ button.
	The filter combination in the wash cabinet is clogged. ■ Clean the filter combination (see "Cleaning and care, Cleaning the filters").
	The drain pump or non-return valve may be blocked. ■ Clean the drain pump or the non-return valve (see "Maintenance").
	The drain hose is kinked. ■ Remove any kink from the drain hose.

Problem solving guide

Noises

Problem	Cause and remedy
Knocking noise in the wash cabinet.	A spray arm is knocking against an item in a basket. ■ Interrupt the programme, and rearrange the items which are obstructing the spray arm.
Rattling noise in the wash cabinet.	Items of crockery are insecure in the wash cabinet. ■ Interrupt the programme, and rearrange the items of crockery.
	A foreign object (e.g. a cherry stone) has become lodged in the drain pump. ■ Remove the foreign object from the drain pump (see "Maintenance, Cleaning the drain pump and non-return valve").
Knocking noise in the water pipes.	This may be caused by the on-site installation or the cross-section of the piping. ■ This has no influence on dishwasher function. If in doubt, contact a suitably qualified plumber.

Unsatisfactory washing result

Problem	Cause and remedy
The dishes are not clean.	The dishes were not loaded correctly. ■ See notes in "Loading the dishwasher".
	The programme was not powerful enough. ■ Select a more powerful programme (see "Programme chart").
	There is some stubborn soiling although most of the crockery is only lightly soiled (e.g. with tea stains). ■ Use the Sensor wash programme option (see "Settings menu, Sensor wash").
	Not enough detergent was dispensed. ■ Use more detergent, or change your detergent.
	Items are blocking the path of the spray arms. ■ Rearrange the items so that the spray arms can rotate freely.
	The filter combination in the base of the wash cabinet is not clean or is not correctly fitted. This may cause the spray arm jets to get blocked. ■ Clean and/or fit the filter combination correctly. ■ Clean the spray arm jets, if necessary (see "Cleaning and care, Cleaning the spray arms").
	The non-return valve is open and blocked. Dirty water has flowed back into the wash cabinet. ■ Clean the drain pump and the non-return valve (see "Maintenance, Cleaning the drain pump and non-return valve").
Smearing appears on glassware and cutlery. There is a bluish sheen on the surface of glassware; film can be wiped off.	The rinse aid dosage is set too high. ■ Reduce the dosage (see "Settings menu, Rinse aid").

Problem solving guide

Problem	Cause and remedy
Crockery is not dry or cutlery and glasses are flecked.	The rinse aid dosage is set too low or the rinse aid reservoir is empty. ■ Replenish the reservoir, increase the dosage or change the brand of rinse aid (see "Before using for the first time, Rinse aid").
	Crockery was taken out of the cabinet too soon. ■ Leave it in for longer (see "Operation").
	Combination products have been used which have impaired drying performance. ■ Change your detergent, or replenish the rinse aid (see "Before using for the first time, Rinse aid").
Glassware has a brown or blue tinge, and film cannot be wiped off.	This may be caused by the detergent. ■ Change your detergent.
Glassware is dull and discoloured; film cannot be wiped off.	The glassware is not dishwasher-proof. The surfaces are affected. ■ There is no remedy. Purchase glassware which is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected programme was too low. ■ Select a programme with a higher wash temperature.
	The bleaching effect of the detergent used is too low. ■ Change your detergent.
Plastic items are discoloured.	Natural dyes e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes. ■ Use more detergent (see "Operation, Detergent"). Discolouration is irreversible.

Problem	Cause and remedy
White residue is visible on crockery and cutlery, clouding occurs on glassware; film can be wiped off.	The rinse aid dosage is set too low. ■ Increase the dosage (see "Settings menu, Rinse aid").
	There is no salt in the salt reservoir. ■ Fill the salt reservoir (see "Before using for the first time, Dishwasher salt").
	An unsuitable combination product has been used. ■ Change your detergent. Use a standard liquid, tablet or powder detergent, and fill the salt and rinse aid reservoirs in the dishwasher.
	The water softener is programmed to too low a water hardness level. ■ Programme the water softener to a higher water hardness level (see "Settings menu, Water hardness").
There are rust stains on cutlery.	The affected items are not corrosion resistant. ■ There is no remedy. Purchase cutlery which is dishwasher-proof.
	A programme was not run after dishwasher salt was added. Traces of salt have got into the wash cycle. ■ Always run the *Quick wash* programme with the *Short* programme option selected and without any crockery in the dishwasher after adding dishwasher salt.

Cleaning the water inlet filter

A filter is incorporated in the screw connection of the valve on the water inlet hose. The filter must be cleaned when dirty, otherwise insufficient water flows into the wash cabinet.

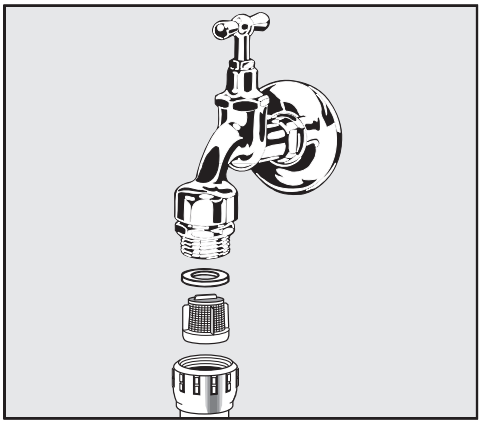
⚠ The plastic housing of the water connection contains an electrical component.
The housing must not be dipped in water.

Recommendation

If the mains water contains a large number of insoluble substances, we recommend fitting a large-area filter in the connection between the stopcock and the water inlet hose threaded union.
This filter is available from Miele.

Cleaning the filter:

- Disconnect the dishwasher from the mains supply.
  Switch off at the mains socket and withdraw the plug.
- Close the stopcock.
- Unscrew the inlet hose.



- Carefully remove the seal.
- Withdraw the filter using pointed pliers and rinse clean under running water.
- Replace the filter and seal, making sure they are sitting correctly.
- Reconnect the inlet hose to the stopcock, making sure it goes on correctly and is not cross-threaded.
- Open the stopcock.

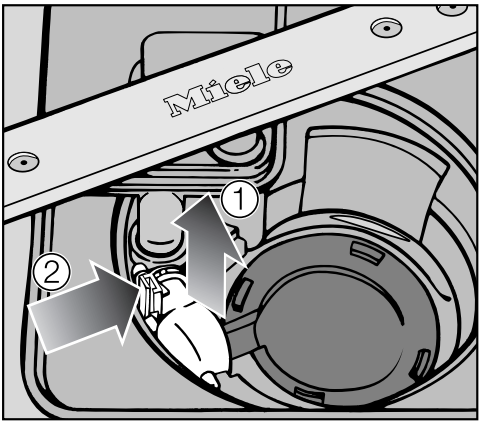
If water leaks out, the inlet hose may not be connected securely or it may have been screwed on at an angle.

- Unscrew and reconnect the water inlet valve correctly.

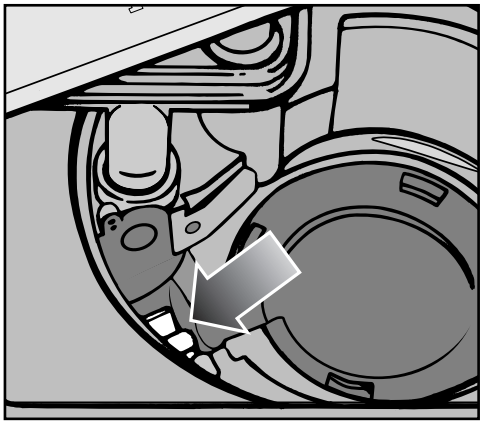
Cleaning the drain pump and non-return valve

If the water has not been pumped away at the end of a programme the drain pump or the non-return valve might be blocked. They are, however, easy to clean.

- Disconnect the dishwasher from the mains supply. Switch off at the mains socket and withdraw the plug.
- Take the filter combination out of the wash cabinet (see "Cleaning and care", "Cleaning the filters").
- Scoop the water out of the cabinet using a suitable container or utensil.



- Press the catch for the non-return valve inwards ①.
- Lift out the non-return valve ② and rinse well under running water.
- Remove all foreign objects from the non-return valve.



The drain pump is situated under the non-return valve (see arrow).

- Remove all foreign objects from the drain pump carefully (watch out for glass splinters which are particularly difficult to detect). Turn the drain pump impeller by hand to check that there are no more obstructions. You will feel a little resistance when you turn the impeller.
- Carefully replace the non-return valve.

⚠ Ensure that the catch engages correctly.

⚠ Be very careful not to damage sensitive components when cleaning the drain pump and the non-return valve.

Repairs

In the event of any faults which you cannot remedy yourself, please contact:

– your Miele Dealer, or

– the Miele Service Department

Contact details for Miele are given at the end of this booklet. N.B. A call-out fee will be charged for service visits where the problem could have been resolved as described in these instructions.

When contacting the Service Department or your Dealer, please quote the model and serial number of your dishwasher, both of which are shown on the data plate on the right hand side of the door.

Guarantee

The appliance is guaranteed for 2 years from the date of purchase. For further information on the appliance guarantee specific to your country please contact Miele.

In the UK, you must activate your cover by calling 0330 160 6640 or registering online at www.miele.co.uk.

Note for test institutes

All information required regarding comparison testing and measuring noise levels is given in the **"Comparison tests"**.
The latest version of this leaflet can be ordered by email from:

– testinfo@miele.de

Please quote your postal address, as well as the model and serial number of your dishwasher (see data plate).

Dishwasher detergent and rinse aid as well as cleaning and care products are available as optional accessories.
All the products are designed for use with Miele dishwashers.

These and many other useful products can be ordered via the internet at www.miele-shop.com or from Miele (see end of this booklet for contact details).

Dishwasher detergent, rinse aid and salt

When you decided to buy a Miele dishwasher you chose excellent quality and performance. However, ensuring that your dishwasher always delivers the best possible results will also depend on your choice of dishwasher detergent, rinse aid and salt, as cleaning results can vary depending on the brand used.
With Miele CareCollection products, you can be sure of optimum results as these products have been specially designed for Miele dishwashers.

Detergent tabs

– sparkling results even with stubborn food deposits

– combination product with other components such as rinse aid, salt and glass protection additives

– phosphate free - helps protect the environment

– water-soluble wrapping - no need to unwrap

Powder detergent

– with active oxygen for thorough cleaning

– with enzymes which are effective even in low temperature programmes

– with glass protection against corrosion

Rinse aid

– for gleaming glasses

– helps crockery to dry

– with glass protection against corrosion

– specially designed cap for precise, easy dispensing

Dishwasher salt

– prevents limescale on crockery and in the appliance

– extra coarse-grained

Optional accessories

Dishwasher care products

Miele cleaning and care products provide optimum care for your dishwasher.

Dishwasher cleaner

– cleans the dishwasher effectively and thoroughly

– removes grease, bacteria and unpleasant odours

– ensures excellent dishwashing results

Dishwasher descaler

– removes heavy limescale deposits

– mild and gentle with natural citric acid

Dishwasher conditioner

– removes odours, limescale and light deposits

– maintains the elasticity and leak tightness of the seals

Dishwasher freshener

– neutralises unpleasant odours

– fresh, pleasant lime and green tea scent

– easy to attach to the dishwasher basket

– very economical, lasts for 60 wash cycles

Accessories

Some accessories may be supplied as standard, depending on model.

Cappuccinatore insert

The Cappuccinatore insert can be used for cleaning the individual parts of the Miele Cappuccinatore in the dishwasher.

Cutlery basket

The cutlery basket is placed in the lower basket and can be used to wash additional items of cutlery.

Glass rail

This rail is designed to hold glasses with stems securely in the lower basket.

Electrical connection U.K.

⚠ All electrical work must be carried out by a suitably qualified and competent person, in accordance with current local and national safety regulations (BS 7671 in the UK).

Ensure power is not supplied to the appliance until after installation work has been carried out.

The appliance is supplied with a mains cable with moulded plug ready for connection to a 230-240V mains supply. Please ensure the connection data quoted on the data plate match the household mains supply.

Connection should be made via a suitable switched socket which is easily accessible after installation. It must not be hard-wired.

For extra safety it is advisable to protect the appliance with a suitable residual current device (RCD). Contact a qualified electrician for advice.

Do not connect via an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

This appliance must not be connected to the inverter of an autonomous power supply, e.g. a solar power system. When switching the appliance on, a surge in power could trigger the safety cut-out mechanism.

This appliance must not be used with so-called energy saving devices. These reduce the energy supply to the appliance which could then become too warm. Using such devices could alter the specification of the product

Non-rewireable plugs BS 1363

The fuse cover must be refitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of plug fitted).

Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuses and fuse covers may be purchased from your local electrical supplier.

⚠ THIS APPLIANCE MUST BE EARTHED

The Miele waterproof anti-leak system

Provided your dishwasher has been installed correctly, the Miele WaterProof System will protect you from water damage throughout its lifetime.

Connection to the water supply

⚠ Water in the dishwasher must not be used as drinking water.

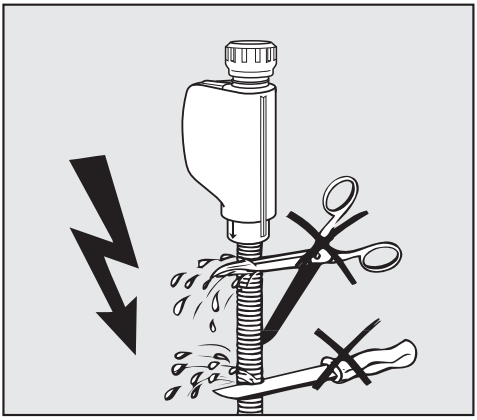
– The dishwasher may be connected to a cold or hot water supply, max. 60 °C.
We would only recommend connection to a hot water supply if it is economical, e.g. a solar powered supply. When connected to a hot water supply all programme stages which would otherwise be carried out with cold water will be carried out with hot water.

– The SolarSave programme (if available) requires a hot water supply of between 45 °C (minimum) and 60 °C (maximum).
The higher the water intake temperature, the better the cleaning and drying results.

– The inlet hose is approx. 1.5 m long. A 1.5 m long flexible metal extension hose, pressure tested to 14000 kPa/ 140 bar) is available as an optional accessory, if required.
– A stopcock with a 3/4" male thread must be provided on site.
– This appliance is constructed to comply with IEC/EN/DIN 61770 // VDE 0700 Section 600, and may be connected to a suitable supply without an extra non-return valve if national regulations permit.
– The water pressure (flow pressure at the take-off point) must be between 30 and 1000 kPa (0.3 und 10 bar). If the water pressure is lower than this, the fault message Water intake will appear in the display (see "Problem solving guide"). If the water pressure is too high, a pressure reducer valve must be fitted.

After connecting the dishwasher to the water supply, check that all plumbing connections are watertight.

⚠ To avoid any damage to the appliance, the dishwasher must only be operated when it is connected to a fully vented plumbing system.



⚠ The inlet hose must not be shortened or damaged in any way as it contains electrical components (see illustration).

Drainage

– The appliance drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.

– The dishwasher is supplied with approx. 1.5 m of flexible drain hose with an internal diameter of 22 mm.

– The drain hose can be extended using a connection piece to attach a further length of hose. The drainage length must not be longer than 4 m, and the delivery head must not exceed 1 m.

– If the hose is to be directly fitted to the drainage outlet on site, use the hose clip supplied (see installation plan).

– The hose can be directed to the left or the right of the appliance.

– The on-site connector for the drain hose can be adapted to different widths of hose. If the connector protrudes too far into the drain hose, it will need to be shortened. Otherwise the drain hose may become blocked.

– The drain hose must not be shortened.

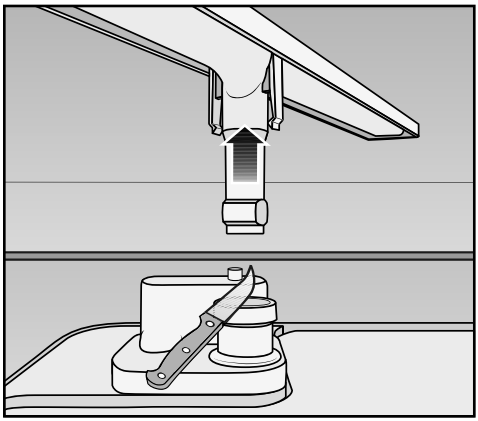
⚠ Make sure that there are no kinks in the hose, and that it is not squashed or stretched.

After connecting the dishwasher to the drainage system, check that all plumbing connections are watertight.

Venting the drainage system

If the on-site drain connection is situated lower than the guide path for the bottom basket rollers in the open door, the drainage system must be vented. Otherwise a siphoning effect during a programme can cause the appliance to empty itself of water.

■ To vent it: Open the dishwasher door fully.



■ Pull the lower spray arm firmly upwards to remove it.

■ Cut off the top of the vent valve in the wash cabinet.

Dishwasher model	Standard	XXL
Height	80.5 cm (adjustable + 6.5 cm)	84.5 cm (adjustable + 6.5 cm)
Height of building-in recess	Min. 80.5 cm (+ 6.5 cm)	Min. 84.5 cm (+ 6.5 cm)
Width	59.8 cm	59.8 cm
Width of building-in recess	60 cm	60 cm
Depth	57 cm	57 cm
Weight	max. 53 kg	max. 59 kg
Voltage	See data plate	
Connected load	See data plate	
Fuse rating	See data plate	
Power consumption when switched off	0.20 W	0.20 W
Power consumption when not switched off	2.50 W	2.50 W
Test certificates awarded	See data plate	
Water pressure (flow rate)	30 - 1000 kPa (0.3 - 10 bar)	30 - 1000 kPa (0.3 - 10 bar)
Hot water connection	Up to max. 60 °C	Up to max. 60 °C
Delivery head	Max. 1 m	Max. 1 m
Drainage length	Max. 4 m	Max. 4 m
Mains cable	Approx. 1.8 m	Approx. 1.8 m
Capacity	13/14 place settings*	13/14 place settings*

* depending on model

Settings menu for changing standard settings

To open the Settings menu

- Open the door.
- Switch the dishwasher off with the ⏻ button, if it is switched on.
- Press and hold the *OK* button.
- Switch the dishwasher on with the ⏻ button. Release this button as soon as the background lighting lights up in the display. Keep the *OK* button pressed in for at least a further 4 seconds.

The first option in the Settings menu will appear in the display.

See "Display / Settings menu" for more information about the display and controls.

- Use the ∨∧ arrow buttons next to the display to select the option you want to change and confirm your selection with *OK*.

Sub-menu options which have already been selected will have a tick ✓ beside them.

- To exit a sub-menu, use the ∨∧ arrow buttons to select Back ⮌ and confirm with *OK*.

The display will revert to the menu above.

Language

The display can be set to appear in one of several different languages.

You can change the language in the display via the Language sub-menu.

- Select the language you want as well as the country, if appropriate, and confirm with *OK*.

The flag after the word Language acts as a guide if a language which you do not understand has already been set.
If this the case, keep selecting the option which has a flag after it until you reach the Language sub-menu.

Time

You can select either a 24 hour or 12 hour clock.

The current time of day must be set before you can use the "FlexiTimer" programme option.

Setting the clock format

- Select the Clock format option.
- Select the setting you want and confirm with *OK*.

Setting the time of day

- Select the Set option.
- Set the hour with the ∨∧ arrow buttons and confirm with *OK*.
  Then set the minutes and confirm with *OK*.

The time of day has now been saved.

Water hardness

Your dishwasher is fitted with a water softener which you need to programme to the water hardness level in your area.

– The dishwasher must be programmed to the correct water hardness for your area.

– Your local water authority will be able to advise you of the water hardness level in your area.

– Where the water hardness fluctuates e.g. between 1.8 and 2.7 mmol/l (10 - 15 °d - German scale) always programme the dishwasher to the higher value (2.7 mmol/l or 15 °d in this example).

■ Select the water hardness you want, and confirm your selection with *OK*.

A tick ✓ will appear beside the water hardness which has been set.

°d	mmol/l	°f	Display
1	0.2	2	1
2	0.4	4	2
3	0.5	5	3
4	0.7	7	4
5	0.9	9	5
6	1.1	11	6
7	1.3	13	7
8	1.4	14	8
9	1.6	16	9
10	1.8	18	10
11	2.0	20	11
12	2.2	22	12
13	2.3	23	13
14	2.5	25	14
15	2.7	27	15
16	2.9	29	16
17	3.1	31	17
18	3.2	32	18
19	3.4	34	19
20	3.6	36	20
21	3.8	38	21
22	4.0	40	22
23	4.1	41	23
24	4.3	43	24
25	4.5	45	25
26	4.7	47	26
27	4.9	49	27
28	5.0	50	28
29	5.2	52	29
30	5.4	54	30
31	5.6	56	31
32	5.8	58	32
33	5.9	59	33
34	6.1	61	34
35	6.3	63	35
36	6.5	65	36
37-45	6.6-8.0	66-80	37-45
46-60	8.2-10.7	82-107	46-60
61-70	10.9-12.5	109-125	61-70

Rinse aid

You can adjust the rinse aid dosage for best results.
The rinse aid dosage is set in stages from 0 to 6.
It is set to 3 at the factory.

If the "Adjust Sensor wash" programme function (depending on model) has been activated, the amount of rinse aid dispensed in the *Sensor wash* programme can be higher than that set.

If spots appear on crockery and glassware:

– Increase the rinse aid dosage.

If clouding or smearing appears on crockery and glassware:

– Decrease the rinse aid dosage.

■ Select the setting you want and confirm your choice with *OK*.

Consumption (EcoFeedback)

You can programme the dishwasher so that the energy and water consumption of the currently selected programme appears in the display. The estimated consumption can be displayed before the programme starts and the actual consumption can be displayed after the programme has finished.
In this menu you can also call up the total energy and water used in all previous dishwasher programmes (see "Caring for the environment, EcoFeedback consumption indicator").

Consumption indicator

■ Select the (Consumption) Display option and confirm with *OK*.

■ Select the setting you want and confirm with *OK*.

Total consumption

■ Select the Total consumption option and confirm with *OK*.

■ You can call up the values for Energy and Water with the ∨∧ arrow buttons.

You can also reset the values for the total consumption to 0.

■ Select the Reset option and confirm with *OK*.

■ Select the Yes option and confirm with *OK*.

■ Confirm the message with *OK*.

The values are now reset to 0.

EcoStart

In order to run your dishwasher in the most economical way, you can use the EcoStart option to take advantage of your electricity supplier's time variable tariffs (see "Programme options, Flexi-Timer with EcoStart").
With this option selected, your dishwasher will start automatically at your electricity supplier's cheapest tariff times.

To use this option you must first set up to three electricity tariff time zones in which the dishwasher can start. You can allocate different priorities to these time zones. The time with the cheapest electricity tariff will be given Priority 1.

Contact your electricity supplier to find out the times of the cheapest electricity tariffs.

Once the electricity tariff times have been set, you can use the EcoStart option to set the latest finish time required for each programme.
The dishwasher will then start automatically in the cheapest electricity tariff time and the programme will end at the latest at the finish time set.

Setting the electricity tariff times

Before you can use the EcoStart option, you must set at least one electricity tariff time.

- Use the ∨∧ arrow buttons to select the electricity tariff time (T1-T3) you want to set and confirm with *OK*.

The start of the electricity tariff time selected will appear in the display and the hour number block will be highlighted.

- Use the ∨∧ arrow buttons to set the hours and minutes for the start time and confirm both with *OK*.

The end of the electricity tariff time selected will appear in the display and the hours number block will be highlighted.

- Use the ∨∧ arrow buttons to set the hours and minutes for the end time and confirm both with *OK*.

The electricity tariff time will be saved and its priority will appear in the display.

- Use the ∨∧ arrow buttons to set the priority you want and confirm with *OK*.
- Confirm the message with *OK*.

The electricity tariff time will be activated.

Changing the electricity tariff times

You can change the start, finish or priority of a electricity tariff time.

- Use the ∨∧ arrow buttons to select the electricity tariff time (T1-T3) you want to change and confirm with *OK*.
- Select the setting you want to change and confirm with *OK*.
- Use the ∨∧ arrow buttons to change the setting and confirm with *OK*.
- Confirm the message with *OK*.

The change will be saved.

Deleting the electricity tariff times

- You can delete the settings for a electricity tariff time and in doing so deactivate the EcoStart option for this time zone.
- Use the ∨∧ arrow buttons to select the electricity tariff time (T1 - T3) you want to delete and confirm with *OK*.
- For example, select Delete T1 and confirm with *OK*.
- For example, select Delete T1? and confirm with *OK*.

The settings for the electricity tariff time selected will be reset.

- Confirm the message with *OK*.

The electricity tariff time will be deleted.

Sensor wash

You can adjust the *Sensor wash* programme so that it will remove stubborn soling in a lightly soiled load.

- Select the setting you want and confirm with *OK*.

AutoOpen

At the end of programmes with a drying phase (except Extra quiet) the door will open automatically a little in order to help the drying process (see "Programme chart").
In the *ECO* programme (depending on mode) the door will open automatically during the drying phase.

This function can be deactivated if wished.

- Select the setting you want and confirm with *OK*.

⚠ If you have deactivated the automatic door opening function and would like to open the door as soon as the programme has finished make sure that you open the door fully. Otherwise steam from the dishwasher could damage the edge of the worktop because the fan is no longer running.

Knock2open

You can choose whether the door should open with 1 or 2 knocks.

- Select the setting you want and confirm with *OK*.

This function can also be disabled in which case the door has to be fitted with a handle to open it.

BrilliantLight

This dishwasher has interior lighting. When the door is open the lighting will switch off automatically after 15 minutes.

You can also switch off the interior lighting permanently.

- Select the setting you want and confirm with *OK*.

Optimise standby

The dishwasher is supplied with the Optimise standby function set as standard.

To save energy the dishwasher will switch off automatically a few minutes after the last time a button has been pressed or after the end of a programme.

The dishwasher will not switch off in the event of a fault.

Optimise standby can be switched off if you prefer. If you do this the duration before the dishwasher switches off increases to 6 hours. Doing this will increase energy consumption.

- Select the setting you want and confirm with *OK*.

Refill reminders

If you only ever use combination products containing salt and rinse aid in your dishwasher, you can switch the reminders for salt and rinse aid off if you wish (see "Settings menu - Refill reminders"). Switching off the reminders will not affect the DetergentAgent function (see "Programme options, DetergentAgent").

- Select the setting you want and confirm with *OK*.

If you switch to using detergent that does not contain salt or rinse aid, it is important to remember to add salt and rinse aid and to switch the reminders back on.

Check filters

You can adjust the interval at which the reminder to check the filters appears. You can set an interval of between 30 and 60 programme cycles.

The reminder to check the filters is set at the factory to appear after every 50 programme cycles.

- Select the interval you want and confirm with *OK*.

Soak

You can use this function to loosen dried-on food residues in the programme selected.
Once activated, this function will be carried out with all programmes until you deactivate it.
If you are using powder dishwasher detergent, add approx. 5 g to compartment I.

- Select the setting you want and confirm with *OK*.

Pre-wash

You can use this function to remove easily loosened food residues in the programme selected.
Once activated, this function will be carried out with all programmes until you deactivate it.

- Select the setting you want and confirm with *OK*.

Brightness

There are seven different display brightness settings.

- Select the brightness you want and confirm this with *OK*.

Volume

A sequence of audible tones will sound at the end of the programme or if there is a fault as long as the buzzer has been activated.

Buzzer in the event of a fault

A buzzer will sound in the event of a fault 4 times at intervals with a short pause between each set of tones.

The buzzer which sounds when there is fault cannot be deactivated.

Buzzer at the end of a programme

The buzzer at the end of a programme will sound 4 times at intervals with a short pause between each set of tones.

The volume of the buzzer which sounds at the end of the programme can be set to one of seven stages. If no volume is selected, the buzzer is switched off.

- Select the Buzzer tones option.
- Use the ∨∧ arrow buttons to set the volume required and confirm you selection with the *OK* button.

Keypad tone

An audible tone sounds each time a button is pressed.

The volume of the keypad tone can be set to one of seven stages. If no volume is selected, the keypad tone is switched off.

- Use the ∨∧ arrow buttons to set the volume required and confirm your selection with the *OK* button.

Memory

With the Memory function activated, the dishwasher will save the last programme selected.
When you switch the dishwasher off and back on again, the last programme selected will appear in the display instead of the *ECO* programme.

- Select the setting you want and confirm with *OK*.

Version info

You can call up the electronic software version of your dishwasher for technical support purposes.

■ Confirm the display with *OK*.

Showroom programme

For demonstration purposes only.

The dishwasher is equipped with various demo programmes for showroom use.

– Demo mode
Demonstration programme for showrooms.

– Demo with sound
This programme activates the circulation pump to demonstrate the sound of the dishwasher.

– Demo AutoOpen
The door will open automatically.

– BrilliantLight
The interior lighting is on constantly.

Factory default

You can reset all settings to the factory default settings.

■ Select Reset and confirm with *OK*.

To close the Settings menu

You can exit the Settings menu using Finish.

■ Select Finish and confirm with *OK*.

The programme selected will appear in the display briefly and the indicator light for the programme selected will come on.

United Kingdom
Miele Co. Ltd.
Fairacres, Marcham Road
Abingdon, Oxon, OX14 1TW
Customer Contact Centre Tel: 0330 160 6600
E-mail: mielecare@miele.co.uk
Internet: www.miele.co.uk

Australia
Miele Australia Pty. Ltd.
ACN 005 635 398
ABN 96 005 635 398
1 Gilbert Park Drive, Knoxfield, VIC 3180
Tel: 1300 464 353
Internet: www.miele.com.au

China
Miele (Shanghai) Trading Ltd.
1-3 Floor, No. 82 Shi Men Yi Road
Jing' an District
200040 Shanghai, PRC
Tel: +86 21 6157 3500, Fax: +86 21 6157 3511
E-mail: info@miele.cn, Internet: www.miele.cn

Miele (Hong Kong) Limited
41/F - 4101, Manhattan Place
23 Wang Tai Road
Kowloon Bay, Hong Kong
Tel: (852) 2610 1331, Fax: (852)2610 1013
Email: mielehk@miele.com.hk

India
Miele India Pvt. Ltd.
Ground Floor, Copia Corporate Suites
Plot No. 9, Jasola
New Delhi - 110025
Tel: 011-46 900 000, Fax: 011-46 900 001
E-mail: customercare@miele.in, Internet: www.miele.in

Ireland
Miele Ireland Ltd.
2024 Bianconi Avenue
Citywest Business Campus, Dublin 24
Tel: (01) 461 07 10, Fax: (01) 461 07 97
E-Mail: info@miele.ie, Internet: www.miele.ie

Manufacturer: Miele & Cie. KG
Carl-Miele-Straße 29, 33332 Gütersloh, Germany

Miele

Malaysia
Miele Sdn Bhd
Suite 12-2, Level 12
Menara Sapura Kencana Petroleum
Solaris Dutamas No. 1, Jalan Dutamas 1
50480 Kuala Lumpur, Malaysia
Phone: +603-6209-0288
Fax: +603-6205-3768

New Zealand
Miele New Zealand Limited
IRD 98 463 631
Level 2, 10 College Hill
Freemans Bay, Auckland 1011, NZ
Tel: 0800 464 353
Internet: www.miele.co.nz

Singapore
Miele Pte. Ltd.
163 Penang Road
04 - 03 Winsland House II
Singapore 238463
Tel: +65 6735 1191, Fax: +65 6735 1161
E-Mail: info@miele.com.sg
Internet: www.miele.sg

South Africa
Miele (Pty) Ltd
63 Peter Place, Bryanston 2194
P.O. Box 69434, Bryanston 2021
Tel: (011) 875 9000, Fax: (011) 875 9035
E-mail: info@miele.co.za
Internet: www.miele.co.za

United Arab Emirates
Miele Appliances Ltd.
P.O. Box 11 47 82
Gold & Diamond Park, Sheikh Zayed Road
Building 6 / Offices Nos. 6-214 to 6-220
Dubai
Tel: +971-4-341 84 44
Fax: +971-4-341 88 52
E-Mail: info@miele.ae
Internet: www.miele.ae

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